3GPP TSG-T plenary meeting #21 Frankfurt, Germany, 17-19 September 2003

Source: T3

Title: CRs to TS 11.10-4:

Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification

Document for: Approval

This document contains the following change requests:

T3 Doc	Spec	CR	Rev	Rel	Subject	Cat	Version- Current	Version- New
T3-030688	11.10-4	A017	-	R99	Essential corrections to default values for SIM Application Toolkit testing	F	8.4.0	8.5.0
T3-030638	11.10-4	A018	-	R99	CR 11.10-4 R99: Clarification on comprehension required flag usage	F	8.4.0	8.5.0
T3-030689	11.10-4	A019	-	R99	Essential corrections to Display text test cases	F	8.4.0	8.5.0
T3-030708	11.10-4	A020	-	R99	Essential corrections to Get Inkey test cases	F	8.4.0	8.5.0
T3-030639	11.10-4	A021	-	R99	CR 11.10-4 R99: Essential corrections to Get Input test cases	F	8.4.0	8.5.0
T3-030709	11.10-4	A022	-	R99	Essential corrections to Set Up Menu test cases	F	8.4.0	8.5.0
T3-030710	11.10-4	A023	-	R99	Essential corrections to Play Tone test cases	F	8.4.0	8.5.0
T3-030711	11.10-4	A024	-	R99	Essential corrections to Poll Intervall test case	F	8.4.0	8.5.0
T3-030640	11.10-4	A025	-	R99	CR 11.10-4 R99: Essential corrections to Polling off test case	F	8.4.0	8.5.0
T3-030641	11.10-4	A026	-	R99	CR 11.10-4 R99: Essential corrections to Provide Local Information test cases		8.4.0	8.5.0
T3-030642	11.10-4	A027	-	R99	CR 11.10-4 R99: Essential corrections to Send Short message test cases	F	8.4.0	8.5.0
T3-030643	11.10-4	A028	-	R99	CR 11.10-4 R99: Essential corrections to Language Notification test cases	F	8.4.0	8.5.0
T3-030712	11.10-4	A029	-	R99	Essential corrections to Send SS test cases	F	8.4.0	8.5.0
T3-030644	11.10-4	A030	-	R99	Essential corrections to Set Up Call test cases	F	8.4.0	8.5.0
T3-030713	11.10-4	A031	-	R99	Essential corrections to Send USSD test cases		8.4.0	8.5.0
T3-030645	11.10-4	A032	-	R99	Essential correction to Set Up Idle Mode Text test cases		8.4.0	8.5.0
T3-030714	11.10-4	A033	-	R99	Essential corrections to Power Off Card test case		8.4.0	8.5.0
T3-030715	11.10-4	A034	-	R99	Essential corrections to Perform Card APDU test cases		8.4.0	8.5.0
T3-030716	11.10-4	A035	-	R99	Essential correction to Get Reader Status test cases	F	8.4.0	8.5.0
T3-030717	11.10-4	A036	-	R99	Essential corrections to Send DTMF test cases	F	8.4.0	8.5.0

T3-030646	11.10-4	A037	-	R99	Essential corrections to CALL CONTROL BY SIM test cases	F	8.4.0	8.5.0
T3-030647	11.10-4	A038	-	R99	Essential corrections to CALL CONTROL BY SIM (Interaction with FDN/ BDN) test cases	F	8.4.0	8.5.0
T3-030718	11.10-4	A039	-	R99	Essential corrections to Select Item test cases	F	8.4.0	8.5.0
T3-030719	11.10-4	A040	-	R99	Essential corrections to card reader status event download test cases	F	8.4.0	8.5.0
T3-030648	11.10-4	A041	-	R99	Essential corrections to language selection and browser termination event download test cases	F	8.4.0	8.5.0
T3-030683	11.10-4	A042	-	R99	Essential corrections to Close Channel test cases	F	8.4.0	8.5.0
T3-030684	11.10-4	A043	-	R99	Essential corrections to Launch Browser test cases	F	8.4.0	8.5.0
T3-030685	11.10-4	A044	-	R99	Essential corrections to Open Channel test cases	F	8.4.0	8.5.0
T3-030720	11.10-4	A045	-	R99	Essential corrections to Receive Data test cases	F	8.4.0	8.5.0
T3-030686	11.10-4	A046	-	R99	Essential corrections to Send Data test cases	F	8.4.0	8.5.0
T3-030721	11.10-4	A047	-	R99	Essential corrections to channel status event download test case	F	8.4.0	8.5.0
T3-030722	11.10-4	A048	-	R99	Essential corrections to Get Channel Status test cases	F	8.4.0	8.5.0
T3-030723	11.10-4	A049	-	R99	Essential corrections to CB data download test cases	F	8.4.0	8.5.0
T3-030682	11.10-4	A050	-	R99	Essential corrections to location status, user activity and idle screen available event download test cases	F	8.4.0	8.5.0
T3-030680	11.10-4	A051	-	R99	Corrections in the REFRESH test sequences (with inclusion of T3-030535's contents)	F	8.4.0	8.5.0
T3-030681	11.10-4	A052	-	R99	Essential corrections to test requirement references	F	8.4.0	8.5.0
T3-030724	11.10-4	A053	-	R99	Essential corrections to CALL CONTROL BY SIM (supplementary services) test case	F	8.4.0	8.5.0
T3-030649	11.10-4	A054	-	R99	Essential corrections to MT Call, Call connected and Call disconnected event download test cases	F	8.4.0	8.5.0

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CR page 1

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	C	HANGE	REQ	JE	ST			CR-Form-v7
ж	11.10-4 CR	A018	≋rev	-	ж	Current vers	^{ion:} 8.4.0	ж
For <u>HELP</u> on	using this form, see	bottom of this (page or l	ook a	at the	e pop-up text	over the ೫ sy	mbols.
Proposed change	e affects: UICC ap	ops# <mark>X</mark>	ME X	Rad	io A	ccess Networ	k Core N	etwork
Title: 3	Clarification on c	omprehension	required	flag	usag	je		
Source: a	€ <mark>T3</mark>							
Work item code: }	€ TEI					Date: ೫	20/08/2003	
Category: 3	B (addition of a	s to a correction feature), nodification of fea odification) ns of the above o	in an earl ature)		lease	2	R99 the following rel (GSM Phase 2, (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5)	

Passan for abangar 9	This test experification includes fixed andings of TEDMINAL DESPONSEs and
	This test specification includes fixed codings of TERMINAL RESPONSEs and ENVELOPEs, which are used as acceptance criteria for a successful test
	execution. Each test can only be passed if these test requirements are met by the
	tested ME bit per bit.
	The coding of those SIMPLE-TLVs included in TERMINAL REPONSEs/
	ENVELOPES is described in TS 11.14, which includes the guidelines for the
	comprehension bit usage in the tag coding. According to this guideline is is up to
	the ME to decide in most of the cases if the comprehension required flag is used
	for individual tags in a TERMINAL RESPONSE or ENVELOPE or not. Therefore
	most of the TERMINAL RESPONSE/ENVELOPE codings presented in this
	document do not reflect the complete set of valid coding possibilities to pass the
	tests successfully.
	To enable the test equipments to use the complete set of valid TERMINAL
	RESPONSE/ENVELOPE codings, which will lead to a passed test, a clarification
	in this document is needed.
Summary of change: #	A clarification for the usage of the comprehension required flag in TERMINAL
Summary of change.	RESPONSEs/ENVELOPEs is inserted, which allows the MEs to pass the tests
	with their own way of comprehension required flag usage in the tag coding, as
	long as this follows the rules defined in TS 11.14.
Consequences if %	A ME might fail several tests, when the ME decides to use valid comprehension
not approved:	required flag settings in contradiction to those defined in the fixed codings of
	TERMINAL RESPONSESs/ENVELOPEs in this document.

Clauses affected: # 27

Other specs affected:	ж	Y	N N N N	Other core specifications # Test specifications O&M Specifications	5	
Other comments:	ж					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27 Testing of the SIM/ME interface

This clause is an addition to 3GPP TS 51.010-1 [12] clause 27 to confirm the correct interpretation of the SIM Application Toolkit commands and the correct operation of the Toolkit facilities.

The definitions, declarations and default values specified in 3GPP TS 51.010-1 [12] clause 27 shall apply, unless otherwise specified in the present clause.

A SIM Simulator with the appropriate SIM Application Toolkit functionality will be required. The SIM data defined below shall be used for all test cases unless otherwise specified within the test case.

The comprehension required flags in SIMPLE-TLV objects that are included in a TERMINAL RESPONSE or an ENVELOPE shall be set as described in TS 11.14 [15]. This means that in cases where it is up to the ME to decide if this flag is used or not, the corresponding Tag coding in the TERMINAL RESPONSEs and ENVELOPEs in this document represents only one of the two valid possibilities.

			С	HANGE		QUE	ST				CR-Form-v7
ж	11.	<mark>10-4</mark>	CR	A021	жrev	-	ж	Current ver	sion:	8.4.0	ж
For <u>HELP</u> or	n using	this for	m, see	bottom of th	is page o	r look	at the	e pop-up tex	t over	the ೫ syr	nbols.
Proposed chang	le affec	ts: I	JICC ap	ops# <mark>X</mark>	ME	(Rad	dio A	ccess Netwo	ork	Core Ne	etwork
Title:	<mark>೫ Es</mark>	sential	correct	ions to Get I	nput test	cases					
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Reason for chan	ge: Ж		in te	MINAL RES ext string TLV th in PROA	/ due to i	ncorre	ect log	gical descrip	tion (n	naximum i	esponse

•	Incorrect	length	indicated in:	
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- TERMINAL RESPONSE : GET INPUT 1.2.1 (text string TLV)
- PROACTIVE COMMAND : GET INPUT 5.1.1 (default text TLV)
- PROACTIVE COMMAND : GET INPUT 5.2.1 (text string TLV,
- default text TLV, BER-TLV)
 TERMINAL RESPONSE : GET INPUT 5.2.1 (text string TLV)
- PROACTIVE COMMAND : GET INPUT 3.2.1: Response length TLV is missing and therefore incorrect length for BER-TLV indicated.
- PROACTIVE COMMAND : GET INPUT 4.2.1: Value of maximum response length in contradiction to test purpose.
- PROACTIVE COMMAND : GET INPUT 5.2.1: Coded text string (last character) in contradiction to logical value.
- TERMINAL RESPONSE : GET INPUT 5.2.1: Incorrect Tag-byte used for text string TLV. Various unexpected and incorrect bytes in the value part of the text string TLV.
- PROACTIVE COMMAND : GET INPUT 6.2.1: One byte indicating a text string TLV too much.
- TERMINAL RESPONSE : GET INPUT 7.1.1: Incorrect coding of Result

TLV Editorial corrections to: • Expected Sequence 1.2 • Expected Sequence 1.10: Numbering of proactive command and term response in contradiction to template in clause 9 (Format of tests) of T 11.10-4 • TERMINAL RESPONSE : GET INPUT 5.2.1 • PROACTIVE COMMAND: GET INPUT 6.1.1 • Expected Sequence 7.1 • Test requirement does not refer to correct sequence numbers in: • 27.22.4.3.1.5 • 27.22.4.3.3.5 • 27.22.4.3.4.5 • 27.22.4.3.5. • 27.22.4.3.5. • 27.22.4.3.7.5 • Test requirement is missing in: • 27.22.4.3.7.5 • Test requirement is missing in: • 27.22.4.3.6 • Expected Sequence 7.1: TS 11.14, cl. 6.4.3 (Get Input) states: " if the use has indicated the need to get help information, the ME shall send a TERMINAL RESPONSE with 'help information, which is generated by the ME, to the user, step 6 shall be deleted and the test purpose clause has to be adjusted. Summary of change: # Above listed errors corrected and data related to expected sequence 7.1 adjusted. Initial conditions adjusted, because the elementary files are coded as Toolkit default.
 value." Therefore it is not mandatory to display help information, which is generated by the ME, to the user, step 6 shall be deleted and the test purpose clause has to be adjusted. Summary of change: # Above listed errors corrected and data related to expected sequence 7.1 adjusted. Initial conditions adjusted, because the elementary files are coded as Toolkit default.
default.
not approved:
Clauses affected: # 27.22.4.3.1.4.2, 27.22.4.3.1.5, 27.22.4.3.2.4.1, 27.22.4.3.2.5, 27.22.4.3.3.4.1, 27.22.4.3.3.4.2, 27.22.4.3.3.5, 27.22.4.3.4.4.1, 27.22.4.3.4.4.2, 27.22.4.3.4.5, 27.22.4.3.5.4.1, 27.22.4.3.5.4.2, 27.22.4.3.5.5, 27.22.4.3.6, 27.22.4.3.6.4.2, 27.22.4.3.7.3, 27.22.4.3.7.4.1, 27.22.4.3.7.4.2, 27.22.4.3.7.5 Other specs affected: # N Other core specifications # N Other specifications # N Other core specifications # N Other core specifications # N O&M Specifications # N
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.

27.22.4.3.1.4.2 Procedure

[..]

1

Expected Sequence 1.2 (GET INPUT, digits only, SMS default alphabet, ME to echo text, packing SMS Point-to-point required by ME)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 1.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: GET INPUT 1.2.1	[digits only, SMS default alphabet, ME to echo text, packing required, no help information available]
4	$ME \to USER$	Display " Enter 67*#+ <mark>-</mark> "	Range of expected length is 5-5 Text string coding in packed format
5	$USER\toME$	Enter the input "67*#+" and completion	
6	$ME\toSIM$	TERMINAL RESPONSE: GET INPUT 1.2.1	[command performed successfully]

PROACTIVE COMMAND: GET INPUT 1.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in packed SMS format, ME to echo text, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	SMS default alphabet
Text:	"Enter 67*#+"
Response length	
Minimum length:	5
Maximum length:	5

Coding:

BER-TLV:	D0	1A	81	03	01	23	08	82	02	81	82	8D
	0B	00	45	37	BD	2C	07	D9	6E	AA	D1	0A
	91	02	05	05								

TERMINAL RESPONSE: GET INPUT 1.2.1

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in packed SMS format, ME
	to echo text, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Text string

Data coding scheme:	packed SMS format
Text:	"67*#+ <mark>-</mark> "

Coding:

BER-TLV:	81	03	01	23	08	82	02	82	81	83	01	00
	8D	0 <mark>86</mark>	00	36<u>B6</u>	37<u>9B</u>	2A <u>6</u>	23 <mark>B4</mark>	<u>2B02</u>	22			
						<u>A</u>						

[..]

Expected Sequence 1.10 (GET INPUT, null length for the text string, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 1.10.10	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[digits only, SMS default alphabet, ME to echo
		INPUT 1.1 <mark>0</mark> .1 0	text, packing not required, no help info
			available]
4	$ME \rightarrow USER$	Request for input	Range of expected length is 0-5
			Null Text string
5	$USER \to ME$	Enter the input "12345" and	
		completion	
6	$ME \rightarrow SIM$		[command performed successfully]
		INPUT 1.1 <u>0</u> .1 0	

PROACTIVE COMMAND: GET INPUT 1.10.19

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to echo text, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text string	
Text:	length null (00).
Response length	
Minimum length:	1
Maximum length:	5

Coding:

BER-TLV:	D0	0F	81	03	01	23	00	82	02	81	82	8D
	00	91	02	01	05							

TERMINAL RESPONSE: GET INPUT 1.10.10

Command details	
Command number:	1
Command type:	GET INPUT

Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to echo text, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text string	
Data coding scheme:	unpacked, 8 bit data
Text:	"12345"

BER-TLV:	81	03	01	23	80	82	02	82	81	83	01	00
	8D	06	04	31	32	33	34	35				

27.22.4.3.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.109.

[..]

27.22.4.3.2.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

ME Manufacturers shall set the "no response from user" period of time.

The SIM simulator shall be set to that period of time.

[..]

27.22.4.3.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

[...]

27.22.4.3.3.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default-with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.3.3.4.2 Procedure

[..]

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 3.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET INPUT 3.2.1	[digits only, SMS default alphabet, ME to echo text, packing not required, no help information available]
4	ME → USER	Display "ЗДРАВСТВ УЙТЕЗДРАВСТВ УЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВ УЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙ "	Range of expected length is 5-5 Text string length 70 characters, coding in 16 bits UCS2 alphabet format
5	$USER\toME$	Enter the input "Hello" and completion	
6	$ME\toSIM$	TERMINAL RESPONSE: GET INPUT 3.2.1	[command performed successfully]

Expected Sequence 3.2 (GET INPUT, max length for the text string coding in UCS2, successful)

PROACTIVE COMMAND: GET INPUT 3.2.1

Logically:

Command details Command number: Command type: Command qualifier:	1 GET INPUT digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME
Device identities	to echo text, no help information available
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme: Text:	16 bit data UCS2 alphabet format "ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙ"
Response length	
Minimum length:	5
Maximum length:	5

Coding:

BER-TL	V: D0	81	99 9D	81	03	01	23	00	82	02	81	82
	8D	81	8D	08	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	<u>91</u>	<u>02</u>	<u>05</u>	<u>05</u>								

TERMINAL RESPONSE: GET INPUT 3.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to echo text, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text string	
Data coding scheme:	unpacked, 8 bit data
Text:	"HELLO"

Coding:

BER-TLV:	81	03	01	23	00	82	02	82	81	83	01	00
	8D	06	04	48	45	4C	4C	4F				

27.22.4.3.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1 to 3.2.

<u>[..]</u>

27.22.4.3.4.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

[..]

27.22.4.3.4.4.2 Procedure

[..]

Expected Sequence 4.2 (GET INPUT, character set from UCS2 alphabet, Max length for the input, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 4.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: GET INPUT 4.2.1	[character set, UCS2 alphabet, ME to echo text, packing not required, no help information available]
4	$\text{ME} \rightarrow \text{USER}$	Display "Enter Hello:"	Range of expected length is no limit Text string coding in unpacked format
5	USER → ME	Enter the input "ЗДРАВСТВУЙТЕЗДРАВСТВ УЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВ УЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙ	Input length 70 characters, coding in UCS2
6	$\text{ME} \rightarrow \text{SIM}$	and completion TERMINAL RESPONSE: GET INPUT 4.2.1	[command performed successfully]

PROACTIVE COMMAND: GET INPUT 4.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	character set, UCS2 alphabet, input in unpacked format, ME to echo text, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter Hello"
Response length	
Minimum length:	5
Maximum length:	5 <u>No maximum length requirement</u>

Coding:

1

BER-TLV:	D0	1B	81	03	01	23	03	82	02	81	82	8D
	0C	04	45	6E	74	65	72	20	48	65	6C	6C
	6F	91	02	05	05 FF							

TERMINAL RESPONSE: GET INPUT 4.2.1

Command details Command number: Command type: Command qualifier:	1 GET INPUT character set, UCS2 alphabet, input in unpacked format, ME to echo text, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result: Data coding scheme:	Command performed successfully UCS2
8	

Text:

"ЗДРАВСТВУЙТЕ...ЗДРАВСТВУЙ" (70 chars)

Coding:

BER-TLV:	81	03	01	23	03	82	02	82	81	83	01	00
	8D	81	8D	08	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19

27.22.4.3.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences 4.1 to 4.2.

[..]

27.22.4.3.5.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.3.5.4.2 Procedure

Expected Sequence 5.1(GET INPUT, default text for the input, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 5.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: GET	[digits only, SMS default alphabet, ME to echo
		INPUT 5.1.1	text, packing not required, no help
			information available]
4	$ME \rightarrow USER$	Display "Enter 12345"	Range of expected length is 5-5
		Display "12345"	Text string coding in unpacked format
			Default text coding in unpacked format
5	$USER \to ME$	Completion	
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: GET INPUT 5.1.1	[command performed successfully]

PROACTIVE COMMAND: GET INPUT 5.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to
	echo text, no help information available

Device identities

Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter 12345"
Response length	
Minimum length:	5
Maximum length:	5
Default Text	
Data coding scheme:	unpacked, 8 bit data
Text:	"12345"

BER-TLV:	D0	23	81	03	01	23	00	82	02	81	82	8D
	0C	04	45	6E	74	65	72	20	31	32	33	34
	35	91	02	05	05	17	05<u>06</u>	04	31	32	33	34
	35											

TERMINAL RESPONSE: GET INPUT 5.1.1

Logically:

Command details Command number: Command type:	1 GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to echo text, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text string	
Data coding scheme:	unpacked, 8 bit data
Text:	"12345"

Coding:

BER-TLV:	81	03	01	23	00	82	02	82	81	83	01	00
	8D	06	04	31	32	33	34	35				

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 5.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: GET	[digits only, SMS default alphabet, ME to echo text, packing not required, no help
			information available]
4	$ME \rightarrow USER$	Display "Enter:"	Range of expected length is 5-5
		Display default text input:	Text string coding in unpacked format
		"***1111111111###***22222222	Default text length 160 bytes coding in
		22###***3333333333###***4444	unpacked format
		44444###***555555555555###***	
		666666666666###***77777777777	
		##***88888888888###***9999999	
		999###***0000000000###"	
5	$USER \rightarrow ME$		
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	[command performed successfully]
		INPUT 5.2.1	

Expected Sequence 5.2 (GET INPUT, default text for the input with max length, successful)

PROACTIVE COMMAND: GET INPUT 5.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to echo text, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter:"
Response length	
Minimum length:	160
Maximum length:	160
Default Text	
Data coding scheme:	unpacked, 8 bit data
Text:	"* [*] *1111111111###***22222222###***3333333333
	555555555###***66666666666###***77777777###***8888888888

Coding:

BER-TLV:	D0	81 1B	BA 8	81 03	03 01	01 23	23 00	0082	82 02	02 81	81 82	828D
DER-TEV.	00	<u>01</u> + 0	1	0100	<u>03</u> 0+	<u>01</u> 20	<u>23</u> 00	00002	0202	0201	0102	0200
	8D 06	<u>07</u> 04	<u>04</u> 45	<u>45</u> 6E	<u>6E</u> 74	<u>74</u> 65	<u>65</u> 72	<u>72</u> 20	<u>3A</u> 91	<u>91</u> 02	<u>02</u> A0	А <u>о</u> А Ө
	<u>A0</u> 17	<u>17</u> 81	<u>81</u> A0	<u>A1</u> 04	<u>04</u> 2A	2A 2A	<u>2A</u> 2 A	<u>2A</u> 31	<u>31</u> 31	<u>31</u> 31	<u>31</u> 31	<u>31</u> 31
	<u>31</u> 31	<u>31</u> 31	<u>31</u> 31	<u>31</u> 31	<u>31</u> 23	<u>23</u> 23	<u>23</u> 23	<u>23</u> 2A	<u>2A</u> 2 A	2A 2A	<u>2A</u> 32	<u>32</u> 31
	<u>32</u> 32	<u>32</u> 32	<u>32</u> 32	<u>32</u> 32	<u>32</u> 32	<u>32</u> 32	<u>32</u> 32	<u>32</u> 32	32 32	<u>32</u> 23	<u>23</u> 23	<u>23</u> 23
	23 2A	2 <u>A</u> 2 A	2 <u>A</u> 2 A	<u>2A</u> 33	<u>33</u> 33	<u>33</u> 33	<u>33</u> 33	<u>33</u> 33	33 33	<u>33</u> 33	<u>33</u> 33	<u>33</u> 33
	<u>33</u> 33	<u>33</u> 23	<u>23</u> 23	<u>23</u> 23	23 2A	<u>2A</u> 2 A	<u>2A</u> 2 A	<u>2A</u> 34	<u>34</u> 34	<u>34</u> 34	<u>34</u> 34	<u>34</u> 34
	<u>34</u> 34	<u>34</u> 34	<u>34</u> 34	<u>34</u> 34	<u>34</u> 34	<u>34</u> 23	<u>23</u> 23	<u>23</u> 23	23 2A	<u>2A</u> 2 A	<u>2A</u> 2 A	<u>2A</u> 35
	<u>35</u>	<u>35</u> 35	<u>35</u> 35	<u>35</u> 35	<u>35</u>	<u>35</u> 35	<u>35</u> 35	<u>35</u> 35	<u>35</u> 35	<u>35</u> 23	<u>23</u> 23	<u>23</u> 23

35				35							
23 2A	<u>2A</u> 2 A	<u>2A</u> 2 A	<u>2A</u> 36	<u>36</u> 36	<u>36</u> 36	<u>36</u> 36	<u>36</u> 36	<u>36</u> 36	<u>36</u> 36	<u>36</u> 36	<u>36</u> 36
<u>36</u> 36	<u>36</u> 23	<u>23</u> 23	<u>23</u> 23	23 2A	2 <u>A</u> 2 A	<u>2A</u> 2 A	<u>2A</u> 37	<u>37</u> 37	<u>37</u> 37	<u>37</u> 37	<u>37</u> 37
<u>37</u> 37	<u>37</u> 37	<u>37</u> 37	<u>37</u> 37	<u>37</u> 37	<u>37</u> 23	<u>23</u> 23	<u>23</u> 23	23 2A	<u>2A</u> 2 A	<u>2A</u> 2 A	<u>2A</u> 38
<u>38</u> 38	<u>38</u> 38	<u>38</u> 38	<u>38</u> 38	<u>38</u> 38	<u>38</u> 38	<u>38</u> 38	<u>38</u> 38	<u>38</u> 38	<u>38</u> 23	<u>23</u> 23	<u>23</u> 23
23 2A	<u>2A</u> 2 A	<u>2A</u> 2 A	<u>2A</u> 39	<u>39</u> 39	<u>39</u> 39	<u>39</u> 39	<u>39</u> 39	<u>39</u> 39	<u>39</u> 39	<u>39</u> 39	<u>39</u> 39
<u>39</u> 39	<u>39</u> 23	<u>23</u> 23	<u>23</u> 23	23 2A	2 <u>A</u> 2 A	<u>2A</u> 2 A	<u>2A</u> 30	<u>30</u> 30	<u>30</u> 30	<u>30</u> 30	<u>30</u> 30
<u>30</u> 30	<u>30</u> 30	<u>30</u> 30	<u>30</u> 30	<u>30</u> 30	<u>30</u> 23	<u>23</u> 23	<u>23</u> 23	<u>23</u>			

TERMINAL RESPONSE: GET INPUT 5.2.1

Logically:

Command details Command number: Command type: Command qualifier:	1 GET INPUT digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to echo text, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"***1111111111###***22222222###***3333333333
	555555555###***666666666666###***77777777###***8888888888

Coding:

BER-TLV:	81	03	01	23	00	82	02	82	81	83	01	00
	<u> 178D</u>	81	A0<u>A</u>	04	2A	2A	2A	31	31	31	31	31
			<u>1</u>									
	31	31	31	31	31	23	23	23	2A	2A	2A	32
	32	32	32	32	32	32	32	32	32	23	23	23
	2A	2A	2A	33	33	33	33	33	33	33	33	33
	33	23	23	23	2A	2A	2A	34	34	34	34	34
	34	34	34	34	34	23	23	23	2A	2A	2A	35
	35	35	35	35	35	35	35	35	35	23	23	23
	2A	2A	2A	36	36	36	36	36	36	36	36	36
	36	23	23	23	2A	2A	2A	37	37	37	37	37
	37	37	37	37	37	23	23	23	2A	2A	2A	38
	38	38	38	38	38	38	38	38	38	23	23	23
	2A	2A	2A	39	39	39	39	39	39	39	39	39
	39	23	23	23	2A	2A	2A	30	30	30	30	30
	D0<u>30</u>	1 <u>D30</u>	<mark>81<u>30</u></mark>	03<u>30</u>	01<u>30</u>	23	00<u>23</u>	<u>8223</u>	02	81	82	8D
	0A	0 4	3C	4 E	4E	2D	49	43	4F	4€	3E	91
	02	00	θA	1E	02	00	01	30	30	30	30	30
	23	23	23									

27.22.4.3.5.5 Test requirement

The ME shall operate in the manner defined in expected sequences 5.1 to 5.2.

27.22.4.3.6 GET INPUT (display of Icon)

[..]

27.22.4.3.6.4.2 Procedure

Expected Sequence 6.1A (GET INPUT, Basic icon, self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 6.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: GET	[BASIC-ICON self-explanatory for the Text
		INPUT 6.1.1	string]
4	$ME\toUSER$	Display the BASIC-ICON for the	
		prompt	
			Text string coding in unpacked format
5	$USER \to ME$	Enter "+" and completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	Command performed successfully]
		INPUT 6.1.1A	

PROACTIVE COMMAND: GET INPUT 6.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	" <no-icon>"</no-icon>
Response length	
Minimum length:	0
Maximum length:	10
Icon Identifier	
Icon qualifier:	self-explanatory
Icon identifier:	1 (number of record in EF _{Img})

Coding:

BER-TLV:	D0	1D	81	03	01	23	00	82	02	81	82	8D
	0A	04	3C	4E	4F	2D	49	43	4F	4E	3E	91
	02	00	0A	1E	02	00	01					

[..]

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 6.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[BASIC-ICON non self-explanatory for the
		INPUT 6.2.1	Text string]
4	$ME \rightarrow USER$	Display " <basic-icon>" and</basic-icon>	
		Display the BASIC-ICON for the	
		prompt	Taut string as diag in upped all format
			Text string coding in unpacked format
5		Enter the input "+" and	
Ŭ	OOEIX / ME	completion	
6	$ME \rightarrow SIM$		[Command performed successfully]
		INPUT 6.2.1A	

Expected Sequence 6.2A (GET INPUT, Basic icon, non self-explanatory, successful)

PROACTIVE COMMAND: GET INPUT 6.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	" <basic-icon>"</basic-icon>
Response length	
Minimum length:	0
Maximum length:	10
Icon Identifier	
Icon qualifier:	not self-explanatory
Icon identifier:	1 (number of record in EF_{Img})
	-

Coding:

BER-TLV:	D0	1 <u>C20</u>	81	03	01	23	00	82	02	81	82	8D
	0D8 D	<u>04</u> 0D	<u>3C</u> 04	<u>42</u> 3C	<u>41</u> 4 2	<u>53</u> 41	<u>49</u> 53	<u>43</u> 49	<u>2D</u> 43	<u>49</u> 2D	<u>43</u> 49	<u>4F</u> 43
	<u>4E</u> 4F	<u>3E</u> 4 €	<u>91</u> 3E	<u>02</u> 91	<u>00</u> 02	<u>00</u> 00	<u>1E</u> 0 A	<u>02</u> 1E	<u>0102</u>	<u>01</u> 01	01	

[..]

27.22.4.3.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 6.1A to 6.4B.

[..]

27.22.4.3.7.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive SIM command, and returns <u>a 'help</u> <u>information required by the user' result value</u> the text string entered in the TERMINAL RESPONSE command sent to the SIM if the user has indicated the need to get help information.

27.22.4.3.7.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default-with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.3.7.4.2 Procedure

Expected Sequence 7.1 (GET INPUT, digits only, ME to echo text, ME supporting 8 bit data Message, help information available)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INPUT 7.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: GET	[digits only, SMS default alphabet, ME to echo
		INPUT 7.1.1	text, packing not required, help information
			available]
4	$ME \to USER$	Display "Enter 12345"	Range of expected length is 5-5
			Text string coding in unpacked format
5	$USER \to ME$		
6	ME →USER	Display Help information	
7 6	$ME\toSIM$	TERMINAL RESPONSE: GET	[command performed-successfully, help
		INPUT 7.1.1	information required by user

PROACTIVE COMMAND: GET INPUT 7.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INPUT
Command qualifier:	digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to echo text, help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter 12345"
Response length	
Minimum length:	5
Maximum length:	5

Coding:

BER-TLV:	D0	1B	81	03	01	23	80	82	02	81	82	8D
	0C	04	45	6E	74	65	72	20	31	32	33	34
	35	91	02	05	05							

TERMINAL RESPONSE: GET INPUT 7.1.1

Logically:

Com	nand details													
	Command nu	mber:	1											
	Command typ	e:	GET INPUT											
	Command qua	alifier:	U	digits (0-9, *, # and +) only, SMS default alphabet, input in unpacked format, ME to echo text, help information available								nat, ME to		
Devic	e identities													
	Source device	:	ME	ME										
	Destination de	evice:	SIN	SIM										
Resul	t													
	General Resul	t:	He	Help information required by the user										
Coding:														
	BER-TLV:	81	03	01	23	80	82	02	82	81	83	13<u>01</u>	00<u>13</u>	

27.22.4.3.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 7.1.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

CR page 1

Tdoc **#***T***3***-0***3***0***6***40*

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			•			•		-				
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Tille	مە	Feeestal		na ta Dallin	~ ~ ~ ~ ~ ~ ~ ~ ~							
Title:	ж	Essential	correctio	ons to Pollin	g off t	lest c	ase					
Source:	ж	T3										
Source.	ማ	15										
Work item code:	æ	TEI							Date: #	20	/08/2003	
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Category:	ж	F							Release: #	R9	9	
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				odification of	feature	e)			R98	•	ease 1998)	
		,	itorial mod						R99	•	ease 1999)	
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		be found in							Rel-5	•	ease 5)	
									Rel-6	(Rele	ease 6)	

Reason for change: ೫	 TERMINAL RESPONSE : POLL INTERVAL 1.1.1: Duration TLV is missing (s.a. TS 11.14, clause 6.8 (structure of terminal response))
	 Test requirement refers to not existing sequence number
Summary of change: #	 Missing Duration TLV is inserted and test requirement corrected.
	 TERMINAL RESPONSE: POLL INTERVAL 1.1.1B inserted, because ME might respond with duration TLV indicating 60 seconds to poll intervall request of 1 minute.
Consequences if % not approved:	MEs will fail test due to incorrect acceptance criteria. MEs using another time unit in the terminal response will fail the test though the requested time will be met by these MEs.
Clauses affected: #	27.22.4.14.4.2, 27.22.4.14.5
	ΥΝ
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 <u>http://www.3gpp.org/specs/CR.htm</u>. Below is a brief summary:

3GPP TS aa.bbb vX.Y.Z (YYYY-MM)

- 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.

27.22.4.14.4.2 Procedure

Expected Sequence 1.1 (POLLING OFF)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: POLLING	
		INTERVAL 1.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND:	Interval = 1 min
		POLL INTERVAL 1.1.1	
4	$ME \rightarrow SIM$		[command performed successfully]
		INTERVAL 1.1.1 <u>A or</u>	
		TERMINAL RESPONSE:	
_		POLL INTERVAL 1.1.1B	
5	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: POLLING OFF	
		1.1.2	
6		FETCH	
7	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
-		POLLING OFF 1.1.2	
8	$ME \to SIM$	TERMINAL RESPONSE:	[command performed successfully]
0		POLLING OFF 1.1.2	
9		Call to be set up	
10	$ME \rightarrow SIM$	STATUS	SIM presence detection
11	ME	Time interval shall not exceed	
10		30 seconds	
12	$ME \rightarrow SIM$	STATUS	SIM presence detection

PROACTIVE COMMAND: POLL INTERVAL 1.1.1

Logically:

Command details	
Command number:	1
Command type:	POLL INTERVAL
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	ME
Duration	
Time unit:	Minutes
Time interval:	1

Coding:

BER-TLV:	D0	0D	81	03	01	03	00	82	02	81	82	84
	02	00	01									

TERMINAL RESPONSE: POLL INTERVAL 1.1.1A

Logically:

Command details	
Command number:	1
Command type:	POLL INTERVAL
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
<u>Duration</u>	
Time unit:	Minutes
Time interval:	<u>1</u>

Coding:

	1			1	1		1	1		1		
BER-TLV:	81	03	01	03	00	82	02	82	81	83	01	00
. <u> </u>	<u>84</u>	<u>02</u>	<u>00</u>	<u>01</u>								

TERMINAL RESPONSE: POL	L INTERVAL 1.1.1B
Logically:	
Command details	
Command number:	<u>1</u>
Command type:	POLL INTERVAL
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Duration	
Time unit:	Seconds
Time interval:	60

Coding:

BER-TLV:	<u>81</u>	<u>03</u>	01	03	00	<u>82</u>	02	<u>82</u>	<u>81</u>	<u>83</u>	01	00
	<u>84</u>	<u>02</u>	<u>01</u>	<u>3C</u>								

[..]

27.22.4.14.5 Test requirement

The ME shall operate in the manner defined in expected sequence $\underline{1.1}$.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#T3-030641**

										CR-Form-v7
			C	HANGE)UF	ST			
ж		<mark>11.10-4</mark>	CR	A026	жrev	-	ж	Current vers	ion: 8.4.	0 *
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For <u>HELP</u> or	านร	sina this foi	rm. see b	ottom of this	s page o	r look	at th	e pop-up text	over the %	svmbols.
			,		- 13					- , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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Proposed chang	le a	affects:	UICC app	DS#X	ME	Rad	dio A	ccess Netwo	K Core	Network
Title:	ж	Essential	correctio	ons to Provid	de Local	Inform	natio	n test cases		
Source:	ж	Т3								
	~ ~							-		2
Work item code:	ж	TEI						Date: ೫	20/08/200	3
Cotogory	90	F						Release: ¥	R99	
Category:	ሙ		(h. a. f. a. H. a							
				ing categorie	S.				the following	
		,	rection)				,	2	(GSM Phase	/
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				dification of	teature)			R98	(Release 199	
			itorial moo	,				R99	(Release 199) 9)
				of the above	e categorio	es can		Rel-4	(Release 4)	
		be found in	3GPP TR	21.900.				Rel-5	(Release 5)	
								Rel-6	(Release 6)	

Reason for change:	 Example of IMEI coding is incorrect and might lead to misinterpretation. Test requirement is missing in 27.22.4.15.
Summary of change:	# Example of IMEI coding is corrected and a reference to TS 04.08 is inserted. Test requirement inserted.
Consequences if	# MEs might fail the test because incorrect coding of IMEI might be expected in the
not approved:	acceptance criteria.
Clauses affected:	# 27.22.4.15, 27.22.4.15.4.2
Other specs affected:	Y N % N Other core specifications % N Test specifications N O&M Specifications
Other comments:	H Contraction of the second seco

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.15 PROVIDE LOCAL INFORMATION

[..]

27.22.4.15.4.2 Procedure

[..]

Expected Sequence 1.2 (PROVIDE LOCAL INFORMATION, IMEI of the ME)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PROVIDE	
		LOCAL INFORMATION 1.2.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: PROVIDE	
		LOCAL INFORMATION 1.2.1	
4	$ME \rightarrow SIM$	TERMINAL RESPONSE: PROVIDE	[Command performed successfully, IMEI
		LOCAL INFORMATION 1.2.1	as system simulator]

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.2.1

Logically:

Command details	
Command number:	1
Command type:	PROVIDE LOCAL INFORMATION
Qualifier:	"01" IMEI of the ME
Device identities	
Source device:	SIM
Destination device:	ME

Coding:

BER-TLV: D0 09 81 03 01 26 01 82 02 81 82

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.2.1

Logically:

Command details	
Command number:	1
Command type:	PROVIDE LOCAL INFORMATION
Qualifier:	"01" IMEI of the ME
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
IMEI	
IMEI of the ME:	The IMEI of the ME

The result coding depends on the Mobile IMEI value.

-												. <u> </u>
BER-TLV:	81	03	01	26	01	82	02	82	81	83	01	00
	94	08	VV	XX	XX	XX	XX	XX	XX	VV		
	94	00	~~	~~	~~	~~	~~	~~	~~	~~		

As an example, if the IMEI of the mobile is "1234567890123456" then XX $= \frac{21 \cdot 43 \cdot 65 \cdot 87}{09 \cdot 21 \cdot 43 \cdot 65}$ (10), clause 10.5.1.

<u>[..]</u>

27.22.4.15.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.6.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#***T***3***-0***3***0***6***4***2**

Rel-6

(Release 6)

	CR-F	-orm-v
	CHANGE REQUEST	
ж	11.10-4 CR A027 # rev - [#] Current version: 8.4.0 [#]	
For HELP on	ising this form, see bottom of this page or look at the pop-up text over the X symbol	ls.
Proposed change	affects: UICC apps X ME X Radio Access Network X Core Netwo	rk
Title: ៖	Essential corrections to Send Short message test cases	
Source: 8	ТЗ	
Source. a	13	
Nork item code: a	TEI Date: # 20/08/2003	
Category: ៖	F Release: # R99	
	Use <u>one</u> of the following categories: Use <u>one</u> of the following releases	s:
	F (correction) 2 (GSM Phase 2)	
	A (corresponds to a correction in an earlier release) R96 (Release 1996)	
	B (addition of feature), R97 (Release 1997)	
	C (functional modification of feature) R98 (Release 1998)	
	D (editorial modification) R99 (Release 1999) Detailed evaluations of the above estagation can R94 (Release 1999)	
	Detailed explanations of the above categories can Rel-4 (Release 4)	
	be found in 3GPP TR 21.900. Rel-5 (Release 5)	

SMC DD (CENID CHODT MECCACE) Massage 1 2: Indicated data
 SMS-PP (SEND SHORT MESSAGE) Message 1.2: Indicated data coding scheme coding is 8 bit data, shall be SMS default alphabet
 SMS-PP (SEND SHORT MESSAGE) Message 1.4: First byte of coding shouldn't be there
 PROACTIVE COMMAND : SEND SHORT MESSAGE 1.6.1 and SMS- PP (SEND SHORT MESSAGE) Message 1.6: TD-Destination-Address length indicates 9 semi-octets. Shall be 2 semi-octets.
• PROACTIVE COMMAND : SEND SHORT MESSAGE : 2.1.1: Incorrect length indicated. Shall be 67 bytes instead of 77.
Test requirements refer to incorrect sequence numbers.
All expected sequences refer to the user data of the message and not to the message itself.
Above listed errors corrected.
 PROACTIVE COMMAND : SEND SHORT MESSAGE : 2.1.1, SMS-PP (SEND SHORT MESSAGE) Message 2.1 and PROACTIVE COMMAND: SEND SHORT MESSAGE 3.1.1: Logical description of TP-User data adjusted.
 Editorial modifications to expected sequence 1.4 and expected sequence 1.5 to avoid misinterpretation of the message length

Consequences if	ж	MEs will fail tests because of incorrect codings. Test description would be
not approved:		incorrect.
Clauses affected:	ж	27.22.4.10.1.4.2, 27.22.4.10.1.5, 27.22.4.10.2.4.2, 27.22.4.10.2.5,
		27.22.4.10.3.4.2, 27.22.4.10.3.5
Other specs	ж	Y N N Other core specifications %
affected:		N Test specifications N O&M Specifications
Other comments:	ж	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.10.1.4.2 Procedure

Expected Sequence 1.1(SEND SHORT MESSAGE, packing not required, 8-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data]
		SHORT MESSAGE 1.1.1	
4	$ME \rightarrow USER$	Display "Send SM"	[Alpha Identifier]
5	$ME \to SS$	Send SMS-PP "Test Message"	
		(SEND SHORT MESSAGE)	
		Message 1.1	
6	$SS \rightarrow ME$	SMS RP-ACK	
7	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.1.1	

[..]

SMS-PP (SEND SHORT MESSAGE) Message 1.1

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"

TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	8-bit data
Message class	class 0
TP-UDL	12
TP-UD	"Test Message"

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

[..]

Expected Sequence 1.2 (SEND SHORT MESSAGE, packing required, 8-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing required, 8-bit data]
		SHORT MESSAGE 1.2.1	
4	$ME \rightarrow USER$	Display "Send SM"	[Alpha Identifier]
5	$ME \to SS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 1.2"Send	
		SM"	
6	$SS\toME$	SMS RP-ACK	
7	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.2.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.2.1

Command details	
Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing required
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Send SM"
Address	
TON:	International number
NPI:	"ISDN / telephone numbering plan"
Dialling number string	"112233445566778"
SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	

International number
"ISDN / telephone numbering plan"
"012345678"
Short message type 0
8-bit data
class 0
7
"Send SM"

BER-TLV:	D0	32	81	03	01	13	01	82	02	81	83	85
	07	53	65	6E	64	20	53	4D	86	09	91	11
	22	33	44	55	66	77	F8	8B	13	01	00	09
	91	10	32	54	76	F8	40	F4	07	53	65	6E
	64	20	53	4D								

SMS-PP (SEND SHORT MESSAGE) Message 1.2

Logically:

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	SMS default alphabet
Message class	class 0
TP-UDL	7
TP-UD	"Send SM"

Coding:

I

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	<mark>₩4</mark> F0	07
	D3	B2	9B	0C	9A	36	01					

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.2.1

Logically:

Command details	
Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing required
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

Expected Sequence 1.3 (SEND SHORT MESSAGE, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.3.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 1.3.1	
4	$ME \rightarrow USER$	Display "Short Message"	[Alpha Identifier]
5	$ME \to SS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 1.3	
		"Short Message"	
6	$SS \rightarrow ME$	SMS RP-ACK	
7	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.3.1	

[..]

SMS-PP (SEND SHORT MESSAGE) Message 1.3

Logically:

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	SMS default alphabet
Message class	class 0
TP-UDL	13
TP-UD	"Short Message"

Coding:

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	F0	0D
	53	F4	5B	4E	07	35	CB	F3	79	F8	5C	06

[..]

Expected Sequence 1.4 (SEND SHORT MESSAGE, packing required, 8 bit data, message of 160 <u>characters user data</u>bytes, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT MESSAGE 1.4. 1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing required, 8 bit data]
		SHORT MESSAGE 1.4.1	
4	$ME \rightarrow USER$	Display " The address data object holds the RP_Destination_Address	[Alpha Identifier]
5	$\text{ME} \rightarrow \text{SS}$	Send SMS-PP <u>(SEND SHORT</u> MESSAGE) Message 1.4 "Two	[message of 1640 bytes <u>user data]</u>
		types are defined: - A short	
		message to be sent to the network	
		in an SMS-SUBMIT message, or an SMS-COMMAND message,	
		where the user data can be	
		passed transp"	
6	$\text{SS} \to \text{ME}$	SMS RP-ACK	
7	$ME\toSIM$	TERMINAL RESPONSE: SEND SHORT MESSAGE 1.4.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.4.1

Command details Command number:	1
	SEND SHORT MESSAGE
Command type: Command qualifier:	packing required
Device identities	packing required
Source device:	SIM
Destination device:	Network
Alpha identifier:	"The address data object holds the RP_Destination_Address"
Address	
TON:	International number
NPI:	"ISDN / telephone numbering plan"
Dialling number string	"112233445566778"
SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	8 bit data
Message class	class 0
TP-UDL	160
TP-UD	"Two types are defined: - A short message to be sent to the network in an
	SMS-SUBMIT message, or an SMS-COMMAND message, where the user data can
	be passed transp"

BER-TLV:	D0	81	FD	81	03	01	13	01	82	02	81	83
	85	38	54	68	65	20	61	64	64	72	65	73
	73	20	64	61	74	61	20	6F	62	6A	65	63
	74	20	68	6F	6C	64	73	20	74	68	65	20
	52	50	11	44	65	73	74	69	6E	61	74	69
	6F	6E	11	41	64	64	72	65	73	73	86	09
	91	11	22	33	44	55	66	77	F8	8B	81	AC
	01	00	09	91	10	32	54	76	F8	40	F4	A0
	54	77	6F	20	74	79	70	65	73	20	61	72
	65	20	64	65	66	69	6E	65	64	ЗA	20	2D
	20	41	20	73	68	6F	72	74	20	6D	65	73
	73	61	67	65	20	74	6F	20	62	65	20	73
	65	6E	74	20	74	6F	20	74	68	65	20	6E
	65	74	77	6F	72	6B	20	69	6E	20	61	6E
	20	53	4D	53	2D	53	55	42	4D	49	54	20
	6D	65	73	73	61	67	65	2C	20	6F	72	20
	61	6E	20	53	4D	53	2D	43	4F	4D	4D	41
	4E	44	20	6D	65	73	73	61	67	65	2C	20
	77	68	65	72	65	20	74	68	65	20	75	73
	65	72	20	64	61	74	61	20	63	61	6E	20
	62	65	20	70	61	73	73	65	64	20	74	72
	61	6E	73	70								

SMS-PP (SEND SHORT MESSAGE) Message 1.4

SMS-SUBMIT
Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VP field not present
TP-Reply-Path is not set in this SMS-SUBMIT
The TP-UD field contains only the short message
A status report is not requested
"00"
International number
"ISDN / telephone numbering plan"
"012345678"
Short message type 0
SMS default alphabet
class 0
160
"Two types are defined: - A short message to be sent to the network in an SMS-SUBMIT message, or an SMS-COMMAND message, where the user data can be passed transp"

BER-TLV:	98	01	00	09	91	10	32	54	76	F8	40	F0
	A0	D4	FB	1B	44	CF	C3	CB	73	50	58	5E
	06	91	CB	E6	B4	BB	4C	D6	81	5A	A0	20
	68	8E	7E	CB	E9	A0	76	79	3E	0F	9F	CB
	20	FA	1B	24	2E	83	E6	65	37	1D	44	7F
	83	E8	E8	32	C8	5D	A6	DF	DF	F2	35	28
	ED	06	85	DD	A0	69	73	DA	9A	56	85	CD
	24	15	D4	2E	CF	E7	E1	73	99	05	7A	CB
	41	61	37	68	DA	9C	B6	86	CF	66	33	E8
	24	82	DA	E5	F9	3C	7C	2E	B3	40	77	74
	59	5E	06	D1	D1	65	50	7D	5E	96	83	C8
	61	7A	18	34	0E	BB	41	E2	32	08	1E	9E
	CF	CB	64	10	5D	1E	76	CF	E1			

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.4.1

Logically:

Command details	
Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing required
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	13	01	82	02	82	81	83	01	00

Expected Sequence 1.5 (SEND SHORT MESSAGE, packing not required, SMS default alphabet, message of 160 bytescharacters user data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.5.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 1.5.1	
4	$ME \rightarrow USER$	Display " The address data object	[Alpha Identifier]
		holds the RP_Destination_Address	
_			
5	$ME \rightarrow SS$	Send SMS-PP "Two types are	[message of 1460 bytes user data]
		defined: - A short message to be	
		sent to the network in an SMS-	
		SUBMIT message, or an SMS-	
		COMMAND message, where the	
		user data can be passed transp"	
		(SEND SHORT MESSAGE)	
6	$SS \rightarrow ME$	Message 1.5 SMS RP-ACK	
0 7			Command parformed augoagafully
	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.5.1	

CR page 8

SMS-PP (SEND SHORT MESSAGE) Message 1.5

Logically:

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	SMS default alphabet
Message class	class 0
TP-UDL	160
TP-UD	"Two types are defined: - A short message to be sent to the network in an SMS- SUBMIT message, or an SMS-COMMAND message, where the user data can be passed transp"

Coding:

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	F0	A0
	D4	FB	1B	44	CF	C3	CB	73	50	58	5E	06
	91	CB	E6	B4	BB	4C	D6	81	5A	A0	20	68
	8E	7E	CB	E9	A0	76	79	3E	0F	9F	CB	20
	FA	1B	24	2E	83	E6	65	37	1D	44	7F	83
	E8	E8	32	C8	5D	A6	DF	DF	F2	35	28	ED
	06	85	DD	A0	69	73	DA	9A	56	85	CD	24
	15	D4	2E	CF	E7	E1	73	99	05	7A	CB	41
	61	37	68	DA	9C	B6	86	CF	66	33	E8	24
	82	DA	E5	F9	3C	7C	2E	B3	40	77	74	59
	5E	06	D1	D1	65	50	7D	5E	96	83	C8	61
	7A	18	34	0E	BB	41	E2	32	08	1E	9E	CF
	CB	64	10	5D	1E	76	CF	E1				

[..]

Expected Sequence 1.6 (SEND SHORT MESSAGE, alpha identifier 160 bytes long, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.6.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 1.6.1	
4	$ME \rightarrow USER$	Display "Two types are defined: - A	[Alpha Identifier of 160 bytes]
		short message to be sent to the	
		network in an SMS-SUBMIT	
		message, or an SMS-COMMAND	
		message, where the user data can	
		be passed transparently; - A short	
		message to be sent to the network	
		in an SMS-SUBMIT "	
5	$ME\toSS$	Send SMS-PP (SEND SHORT	[space]
		MESSAGE) Message 1.6-""	
6	$SS \rightarrow ME$	SMS RP-ACK	
7	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.6.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.6.1

Command details	
Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing not required
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Two types are defined: - A short message to be sent to the network in an
L	SMS-SUBMIT message, or an SMS-COMMAND message, where the user data can
	be passed transparently; - A short message to be sent to the network in an
	SMS-SUBMIT"
SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"01"
TP-PID	Short message type 0
TP-DCS	
Message coding	SMS default alphabet
Message class	class 0
TP-UDL	1
TP-UD	

BER-TLV:	D0	81	FD	81	03	01	13	00	82	02	81	83
	85	81	E6	54	77	6F	20	74	79	70	65	73
	20	61	72	65	20	64	65	66	69	6E	65	64
	ЗA	20	2D	20	41	20	73	68	6F	72	74	20
	6D	65	73	73	61	67	65	20	74	6F	20	62
	65	20	73	65	6E	74	20	74	6F	20	74	68
	65	20	6E	65	74	77	6F	72	6B	20	69	6E
	20	61	6E	20	53	4D	53	2D	53	55	42	4D
	49	54	20	6D	65	73	73	61	67	65	2C	20
	6F	72	20	61	6E	20	53	4D	53	2D	43	4F
	4D	4D	41	4E	44	20	6D	65	73	73	61	67
	65	2C	20	77	68	65	72	65	20	74	68	65
	20	75	73	65	72	20	64	61	74	61	20	63
	61	6E	20	62	65	20	70	61	73	73	65	64
	20	74	72	61	6E	73	70	61	72	65	6E	74
	6C	79	3B	20	2D	20	41	20	73	68	6F	72
	74	20	6D	65	73	73	61	67	65	20	74	6F
	20	62	65	20	73	65	6E	74	20	74	6F	20
	74	68	65	20	6E	65	74	77	6F	72	6B	20
	69	6E	20	61	6E	20	53	4D	53	2D	53	55
	42	4D	49	54	20	8B	09	01	00	09<u>02</u>	91	10
	40	F0	01	20								

SMS-PP (SEND SHORT MESSAGE) Message 1.6

Logically:

l

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"01"
TP-PID	Short message type 0
TP-DCS	
Message coding	SMS default alphabet
Message class	class 0
TP-UDL	1
TP-UD	

Coding:

BER-TLV:	01	00	09<u>02</u>	91	10	40	F0	01	20

[..]

Expected Sequence 1.7(SEND SHORT MESSAGE, alpha identifier length '00', packing not required, 8bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.7.1	
2	$ME\toSIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data]
		SHORT MESSAGE 1.7.1	
4	ME	No information to user	[Alpha identifier length '00']
5	$ME \to SS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 1.7 "Test	
		Message"	
6	$\text{SS} \to \text{ME}$	SMS RP-ACK	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.7.1	

[..]

SMS-PP (SEND SHORT MESSAGE) Message 1.7

Logically:

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	8-bit data
Message class	class 0
TP-UDL	12
TP-UD	"Test Message"

Coding:

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

[..]

Expected Sequence 1.8 (SEND SHORT MESSAGE, packing not required, 8-bit data, no alpha identifier, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.8.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data]
		SHORT MESSAGE 1.8.1	
4	$ME \rightarrow USER$	May give information to user	[No Alpha Identifier]
		concerning what is happening	
5	$ME \rightarrow SS$	Send SMS-PP "Test Message"	
		(SEND SHORT MESSAGE)	
		Message 1.8	
6	$SS \rightarrow ME$	SMS RP-ACK	
7	$ME\toSIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.8.1	

[..]

SMS-PP (SEND SHORT MESSAGE) Message 1.8

Logically:

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	8-bit data
Message class	class 0
TP-UDL	12
TP-UD	"Test Message"

Coding:

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

[..]

27.22.4.10.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.8.

27.22.4.10.2.4.2 Procedure

Expected Sequence 2.1 (SEND SHORT MESSAGE, packing not required, UCS2 (16-bit data))

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 2.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, 16-bit data]
		SHORT MESSAGE 2.1.1	
4	$ME \rightarrow USER$	Display "Send SM"	[Alpha Identifier]
5	$\text{ME} \rightarrow \text{SS}$	Send SMS-PP (SEND SHORT	[<u>"ЗДРАВСТВУЙТЕ" =</u> "Hello" in Russian]
		MESSAGE) Message	
		<u>2.1"ЗДРАВСТВУЙТЕ"</u>	
6	$SS \rightarrow ME$	SMS RP-ACK	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 2.1.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE: 2.1.1

Logically:

Command details	
Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing not required
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Send SM"
Address	
TON:	International number
NPI:	"ISDN / telephone numbering plan"
Dialling number string	"112233445566778"
SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	16-bit data
Message class	class 0
TP-UDL	24
TP-UD	<u>"</u> ЗДРАВСТВУЙТЕ-"

Coding:

BER-TLV:	D0	4D <u>43</u>	81	03	01	13	00	82	02	81	83	85
	07	53	65	6E	64	20	53	4D	86	09	91	11
	22	33	44	55	66	77	F8	8B	18	01	00	09
	91	10	32	54	76	F8	40	08	18	04	17	04
	14	04	20	04	10	04	12	04	21	04	22	04
	12	04	23	04	19	04	22	04	15			

SMS-PP (SEND SHORT MESSAGE) Message 2.1

Logically:

CVIC	TDDU
SIVIS	IPDU

, 11 0 0	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	UCS2 (16-bit data)
Message class	class 0
TP-UDL	24
TP-UD	"-ЗДРАВСТВУЙТЕ"

Coding:

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	08	18
	04	17	04	14	04	20	04	10	04	12	04	21
	04	22	04	12	04	23	04	19	04	22	04	15

TERMINAL RESPONSE: SEND SHORT MESSAGE 2.2.1

Logically:

Command details	
Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing not required
Device identities	
Source device:	ME
Destination device:	SIM
Result	
Conorol Docult	Command performed successfull

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	13	00	82	02	82	81	83	01	00

27.22.4.10.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1.

27.22.4.10.3.4.2 Procedure

Expected Sequence 3.1A (SEND SHORT MESSAGE, basic icon self-explanatory, packing not required, 8-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 3.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data]
		SHORT MESSAGE 3.1.1	
4	$\text{ME} \rightarrow \text{USER}$	Displays the icon and not the	[basic icon self-explanatory]
		alpha identifier	
5	$ME \to SS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 3.1 "Test	
		Message "	
6	$SS \rightarrow ME$	SMS RP-ACK	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 3.1.1A	

PROACTIVE COMMAND: SEND SHORT MESSAGE 3.1.1

Logically:

Command details	
Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing not required
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"NO ICON"
Address	
TON:	International number
NPI:	"ISDN / telephone numbering plan"
Dialling number string	"112233445566778"
SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	8bit-data
Message class	class 0
TP-UDL	12
TP-UD	"Test Message-"
Icon Identifier	
Icon Qualifier	self-explanatory
Icon Identifier	1 (number of record in EF IMG)

Coding:

BER-TLV:	D0	3B	81	03	01	13	00	82	02	81	83	85
	07	4E	4F	20	49	43	4F	4E	86	09	91	11
	22	33	44	55	66	77	F8	8B	18	01	00	09
	91	10	32	54	76	F4	40	F4	0C	54	65	73
	74	20	4D	65	73	73	61	67	65	9E	02	00
	01											

SMS-PP (SEND SHORT MESSAGE) Message 3.1

Logically:

SMS	TPDU

,	1100	
	TP-MTI	SMS-SUBMIT
	TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
	TP-VPF	TP-VP field not present
	TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
	TP-UDHI	The TP-UD field contains only the short message
	TP-SRR	A status report is not requested
	TP-MR	"00"
	TP-DA	
	TON	International number
	NPI	"ISDN / telephone numbering plan"
	Address value	"012345678"
	TP-PID	Short message type 0
	TP-DCS	
	Message coding	8-bit data
	Message class	class 0
	TP-UDL	12
	TP-UD	"Test Message"

Coding:

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

<u>[..]</u>

Expected Sequence 3.1B (SEND SHORT MESSAGE, basic icon self-explanatory, packing not required, 8-bit data, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 3.1.1	
2	$ME\toSIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data, basic icon
		SHORT MESSAGE 3.1.1	self-explanatory]]
4	$ME \rightarrow USER$	Displays the alpha identifier	
		without the icon	
5	$ME \rightarrow SS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 3.1 "Test	
		Message "	
6	$SS \rightarrow ME$	SMS RP-ACK	
7	$ME\toSIM$	TERMINAL RESPONSE: SEND	[Command performed successfully, but
		SHORT MESSAGE 3.1.1B	requested icon could not be displayed]

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.1.1B

Logically:

Command details

Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing not required
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully, but requested icon could not be displayed

	82 81 83 01 04	4
--	----------------	---

Expected Sequence 3.2A (SEND SHORT MESSAGE, basic icon non-self-explanatory, packing not required, 8-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 3.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data]
		SHORT MESSAGE 3.2.1	
4	$ME \rightarrow USER$	display the icon and "Send SM"	[basic icon non-self-explanatory]
5	$ME \rightarrow SS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 3.2" Test	
		Message "	
6	$SS\toME$	SMS RP-ACK	
7	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 3.2.1A	

[..]

SMS-PP (SEND SHORT MESSAGE) Message 3.2

Logically:

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message
TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NPI	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	8-bit data
Message class	class 0
TP-UDL	12
TP-UD	"Test Message"

Coding:

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

[..]

Expected Sequence 3.2B (SEND SHORT MESSAGE, basic icon non-self-explanatory, packing not required, 8-bit data, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 3.2.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data, basic icon
		SHORT MESSAGE 3.2.1	non-self-explanatory]
4	$ME\toUSER$	display "Send SM" without the icon	
5	$ME \to SS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 3.2" Test	
		Message "	
6	$SS\toME$	SMS RP-ACK	
7	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully, but
		SHORT MESSAGE 3.2.1B	requested icon could not be displayed]

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.2.1B

Logically:

Command details	
Command number:	1
Command type:	SEND SHORT MESSAGE
Command qualifier:	packing not required
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully, but requested icon could not be displayed;

Coding:

BER-TLV:	81	03	01	13	00	82	02	82	81	83	01	04

27.22.4.10.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1A to 3.2B.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

CR page 1

Tdoc **#***T3-030643*

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Category:	ж	F (c A (c B (a C (fi D (e Detailed e	orrection) orresponds addition of f unctional m aditorial mo	nodification of dification) is of the above	on in a featur	e)		elease	Release: % Use <u>one</u> of 2 (e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	(GSM (Relea (Relea (Relea	lowing rele Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5)	eases:

Reason for change: %	 According to TS 11.10-4 clause 9 (Format of Tests) each test sequence shall be carried out independently unless otherwise stated. For expected sequence 1.2 this means that in this sequence it is tested that the initial language shall be set "again" without having switched to another language before. PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.2.1: The coded command qualifier is in contradiction to the logical value. The test requirement clause doesn't refer to the correct sequence numbers.
Summary of change: ¥	 Steps 1 to 4 of expected sequence 1.1 are repeated in expected sequence 1.2 to have set another language before the SIM indicates to to switch to back to the initial again. The coded command qualifier and the test requirements are corrected.
Consequences if #	The test would be insufficient and incorrect due to a proactive command, which
not approved:	is in contradiction to the test intention.
Clauses affected: %	27.22.4.25.4.2, 27.22.4.25.5
Other specs % affected:	Y N 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.25.4.2 Procedure

Expected Sequence 1.1 (LANGUAGE NOTIFICATION)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: LANGUAGE	
		NOTIFICATION 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	Language specified in the command is
		LANGUAGE NOTIFICATION 1.1.1	different from the one set on the mobile.
4	$ME \rightarrow SIM$	TERMINAL RESPONSE:	[Command performed successfully]
		LANGUAGE NOTIFICATION 1.1.1	
5	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	Check that language of ME has been
		ENDED	replaced by the one specified in LANGUAGE
			NOTIFICATION 1.1.1

PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.1.1

Logically:

Command details	
Command number:	1
Command type:	LANGUAGE NOTIFICATION
Command qualifier:	"01" (specific language notification)
Device identities	
Source device:	SIM
Destination device:	ME
Language	
Language	$se'(Spanish) \rightarrow 7365$
	or 'de' \rightarrow 64 65 (German) for instance: choose a language different
	from the one initially set on the ME to check the proper execution
	of the command

Coding:

BER-TLV:	D0	0D	81	03	01	35	01	82	02	81	82	AD
	02	73	65									

TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.1.1

Command details	
Command number:	1
Command type:	LANGUAGE NOTIFICATION
Command qualifier:	"01"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
	· · ·

BER-TLV: 8	81	03	01	35	01	82	02	82	81	83	01	00
------------	----	----	----	----	----	----	----	----	----	----	----	----

Expected Sequence 1.2 (LANGUAGE NOTIFICATION)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
_		PENDING: LANGUAGE	
		NOTIFICATION 1.1.1	
2	$ME \rightarrow SIM$	FETCH	
<u>2</u> <u>3</u>		PROACTIVE COMMAND:	Language specified in the command is
_		LANGUAGE NOTIFICATION 1.1.1	different from the one set on the mobile.
<u>4</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE:	[Command performed successfully]
		LANGUAGE NOTIFICATION 1.1.1	
4 <u>5</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: LANGUAGE	
		NOTIFICATION 1.2.1	
<u>26</u>	$ME \rightarrow SIM$	FETCH	
3 7	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		LANGUAGE NOTIFICATION 1.2.1	
4 <u>8</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE:	[Command performed successfully]
		LANGUAGE NOTIFICATION 1.2.1	
5 9	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	Check that initial language is set again.
_		ENDED	

PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.2.1

Logically:

Command details	
Command number:	1
Command type:	LANGUAGE NOTIFICATION
Command qualifier:	"00" (non specific language notification)
Device identities	
Source device:	SIM
Destination device:	ME

Coding:

BER-TLV:	D0	09	81	03	01	35	0100	82	02	81	82
DER-ILV.	00	09	01	03	01	35	000	02	02	01	02

TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.2.1

Logically:

Command details Command number: 1 Command type: LANGUAGE NOTIFICATION Command qualifier: "00" Device identities

Source device:	ME
Destination device:	SIM
Result	

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	35	00	82	02	82	81	83	01	00

27.22.4.25.5 Test requirement

The ME shall operate in the manner defined in expected sequences $\underline{1.1}$ and $\underline{1.2}$.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

CR page 1

Tdoc **#***T*3-030644

	CHANGE RI	EQUEST	CR-Form-v7
æ	11.10-4 CR A030 #r	ev - # Current ve	ersion: 8.4.0 [#]
For <mark>HELP</mark> or	using this form, see bottom of this pag	e or look at the pop-up te	ext over the X symbols.
Proposed chang	e affects: UICC apps % X M	E X Radio Access Netv	vork Core Network
Title:	# Essential corrections to Set Up Cal	I test cases	
Source:	ж Т3		
Work item code:	# TEI	Date:	¥ 20/08/2003
Category:	 F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in a B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories be found in 3GPP <u>TR 21.900</u>. 	an earlier release) 2 R96 R97 e) R98 R99	of the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4)

Reason for change: ¥	 TERMINAL RESPONSE: SET UP CALL 1.2.1: Logical description of general result value in contradiction to TS 11.14, cl. 12.12 Numbering of proactive commands in expected sequences 1.3 to 1.5 in contradiction to clause 9 of this document. Expected sequence 1.9: The proactive command does not contain an alpha identifier. According to TS 11.14, cl. 6.4.13 the ME may inform the user about the call set up in this case. Therefore step 4 of this sequence is invalid and has to be deleted. Source Device Identity shall be ME in: TERMINAL RESPONSE: SET UP CALL 1.11.1B TERMINAL RESPONSE: SET UP CALL 3.3.1B TERMINAL RESPONSE: SET UP CALL 3.4.1B TERMINAL RESPONSE: SET UP CALL 1.12.1: Incorrect length in Result TLV indicated Incorrect length of proactive command indicated in: PROACTIVE COMMAND: SET UP CALL 3.1.1 PROACTIVE COMMAND: SET UP CALL 3.3.1 PROACTIVE COMMAND: SET UP CALL 3.3.1 PROACTIVE COMMAND: SET UP CALL 3.3.1
Summary of change: %	Above listed errors corrected

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Consequences if not approved:	# MEs will fail incorrect tests.
Clauses affected:	% 27.22.4.13.1.4.2, 27.22.4.13.3.4.2, 27.22.4.13.3.5
Other specs affected:	Y N % 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.
- 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.

27.22.4.13.1.4.2 Procedure

[..]

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Expected Sequence 1.2 (SET UP CALL, call rejected by the user)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		CALL 1.1.1	
4	$ME \rightarrow USER$	ME displays "Not busy" during the	
		user confirmation phase	
5	$USER\toME$	The user rejects the set up call	[user rejects the call]
6	$ME \rightarrow SIM$	TERMINAL RESPONSE 1.2.1	[User did not accept call set-up request]
7	$\text{ME} \rightarrow \text{USER}$	The ME returns in idle mode.	

TERMINAL RESPONSE: SET UP CALL 1.2.1

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	User did not accept call set up request the proactive command

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BER-TLV:	81	03	01	10	00	82	02	82	81	83	01	22

Expected Sequence 1.3 (SET UP CALL, redial)

The system simulator shall be configured such that call set up requests will be rejected with cause "User Busy".

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.23.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	[only if not currently busy on another call with
		CALL 1. <mark>2</mark> 3.1	redial]
4		ME displays "Not busy with redial"	
		during the user confirmation phase	
5	$USER\toME$	The user confirms the set up call	[user confirms the call]
6	$ME \to SS$		[redial mechanism]
		"+012340123456p1p2" at least	
		twice	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE 1.3.1	[network currently unable to process
			command]
8	$\text{ME} \rightarrow \text{USER}$	The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 1.23.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call with redial
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Not busy with redial"
Address	
TON:	International
NIP:	ISDN / telephone numbering plan
Dialling number string	"012340123456p1p2"

Coding:

BER-TLV:	D0	2A	81	03	01	10	01	82	02	81	83	85
	14	4E	6F	74	20	62	75	73	79	20	77	69
	74	68	20	72	65	64	69	61	6C	86	09	91
	10	32	04	21	43	65	1C	2C				

TERMINAL RESPONSE: SET UP CALL 1.3.1

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call with redial
Device identities	
Source device:	ME
Destination device:	SIM
Result	

General Result: network currently unable to process command Additional Information: User Busy

Coding:

1

В	BER-TLV:	81	03	01	10	01	82	02	82	81	83	02	21
		91											

Expected Sequence 1.4 (SET UP CALL, putting all other calls on hold, ME busy)

ME is busy on a call

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SET	
		UP CALL 1. <mark>34</mark> .1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP CALL	[putting all other calls on hold]
		1. <mark>34</mark> .1	
4	$ME \rightarrow USER$	ME displays "On hold" during the user	
		confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirms the call]
6	$ME \to SS$	The active call is put on hold	
7	ME→SS	The ME attempts to set up a call to	
		"+012340123456p1p2"	
8	$SS\toME$	The ME receives the CONNECT message	
		from the system simulator.	
9	$ME \rightarrow SIM$	TERMINAL RESPONSE 1.4.1	[Command performed successfully]
10	USER \rightarrow ME	The user ends the call after 5 s.	
		The ME retrieves the previous call	

PROACTIVE COMMAND: SET UP CALL 1.34.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	putting all other calls on hold
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"On hold"
Address	
TON:	International
NIP:	ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Coding:

BER-TLV:	D0	1D	81	03	01	10	02	82	02	81	83	85
	07	4F	6E	20	68	6F	6C	64	86	09	91	10
	32	04	21	43	65	1C	2C					

TERMINAL RESPONSE: SET UP CALL 1.4.1

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	putting all other calls on hold

Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

BER-TLV:	81	03	01	10	02	82	02	82	81	83	01	00

Expected Sequence 1.5 (SET UP CALL, disconnecting all other calls, ME busy)

ME is busy on a call

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SET	
		UP CALL 1.4 <u>5</u> .1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP CALL	[disconnecting all other calls]
		1.4 <u>5</u> .1	
4	$ME \rightarrow USER$	ME displays "Disconnect" during the user	
		confirmation phase	
5	$USER \rightarrow ME$	The user confirms the set up call	[user confirms the call]
6	$ME \rightarrow SS$	The ME disconnects the active call	
7	ME→SS	The ME attempts to set up a call to	
		"+012340123456p1p2"	
8	$SS\toME$	The ME receives the CONNECT message	
		from the system simulator.	
9	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE 1.5.1	[Command performed successfully]
10	$USER\toME$	The user ends the call after 5 s.	

PROACTIVE COMMAND: SET UP CALL 1.45.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	disconnecting all other calls
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Disconnect"
Address	
TON:	International
NIP:	ISDN / telephone numbering plan
Dialling number string	"012340123456p1p2"

Coding:

BER-TLV:	D0	20	81	03	01	10	04	82	02	81	83	85
	0A	44	69	73	63	6F	6E	6E	65	63	74	86
	09	91	10	32	04	21	43	65	1C	2C		

TERMINAL RESPONSE: SET UP CALL 1.5.1

Logically:

Command details Command number: 1 Command type: SET UP CALL

Command qualifier:	putting all other calls on hold
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Coding:	

BER-TLV:	81	03	01	10	04	82	02	82	81	83	01	00

<u>[..]</u>

Expected Sequence 1.9 (SET UP CALL, max dialling number string, no alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.9.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE SET UP CALL 1.9.1	[dialling number string, no alpha identifier]
4	ME → USER	ME displays "Capability" during the user confirmation phase	
5 4	$USER\toME$	The user confirms the set up call	[user confirmation]
<u>5</u> 6	ME→SS	The ME attempts to set up a call to "012345678901234567890123456 789*#*#*#*#0123456789012345 67890123456789*#*#*#*#*#	
7 <u>6</u>	$SS\toME$	The ME receives the CONNECT message from the system simulator.	
<u>7</u> 8	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE 1.9.1	[Command performed successfully]
9 8	$USER \to ME$	The user ends the call The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 1.9.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call with redial
Device identities	
Source device:	SIM
Destination device:	Network
Address	
TON:	International
NPI:	ISDN / telephone numbering plan
Dialling number string:	"012345678901234567890123456789*#*#*#*#*#012345678901234567890123456 789*#*#*#*# "

Coding:

BER-TLV:	D0		34	81	03	01	10	01	82	02	81	83
	86		29	91	10	32	54	76	98	10	32	54
	76	98	10	32	54	76	98	BA	BA	BA	BA	BA
	10	32	54	76	98	10	32	45	67	89	01	32
	54	76	98	BA	BA	BA	BA	BA				

[..]

Expected Sequence 1.11B (SET UP CALL, Called party subaddress, ME not supporting the called party subaddress)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.11.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: SET UP	[set up a call with called party subaddress]
		CALL 1.11.1	
4	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE 1.11.1B	[beyond ME's capabilities]

[..]

TERMINAL RESPONSE: SET UP CALL 1.11.1B

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	if not busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Beyond ME's capabilities

Coding:

BER-TLV:	81	03	01	10	00	82	02	83 82	81	83	01	30
											÷ ·	

Expected Sequence 1.12 (SET UP CALL, maximum duration for the redial mechanism)

The system simulator shall be configured such that call set up requests will be rejected with cause "User Busy".

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.12.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	[only if not currently busy on another call with
		CALL 1.12.1	redial]
4	$ME \rightarrow USER$	ME displays "Duration" during the	
		user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirms the call]
6	$ME \to SS$	ME attempts to set up a call to	[redial mechanism with maximum duration of
		"+012340123456p1p2" . It stops its	10 seconds]]
		attempts after 10 seconds.	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE 1.12.1	[network currently unable to process
			command]
8	$ME \rightarrow USER$	The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 1.12.1

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call with redial

Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Duration"
Address	
TON:	International
NIP:	ISDN / telephone numbering plan
Dialling number string:	"012340123456p1p2"
Duration	
Unit:	Seconds
Interval:	10

BER-TLV:	D0	22	81	03	01	10	01	82	02	81	83	85
	08	44	75	72	61	74	69	6F	6E	86	09	91
	10	32	04	21	43	65	1C	2C	84	02	01	0A

TERMINAL RESPONSE: SET UP CALL 1.12.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call with redial
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	network currently unable to process command
Additional Information.	Lloon Duor

Additional Information: User Busy

Coding:

1

BER-TLV:	81	03	01	10	01	82	02	82	81	83	01<u>02</u>	21
	91											

Expected Sequence 3.1A (SET UP CALL, display of basic icon during confirmation phase, not self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: SET UP	Including icon identifier, icon shall be
		CALL 3.1.1	displayed in addition of the first alpha
			identifier
4	$ME \rightarrow USER$	ME displays "Set up call Icon	
		3.1.1" and the basic icon during a	
-		user confirmation phase.	The second frequencies of
5		The user confirms the set up call	[user confirmation]
6	ME→SS	The ME attempts to set up a call to	
7	00 1/5	"+012340123456p1p2"	
7	$SS \rightarrow ME$	The ME receives the CONNECT	
		message from the system simulator.	
8	$ME \rightarrow SIM$	TERMINAL RESPONSE 3.1.1A	[Command performed successfully]
0			[Command performed successiony]
9	$USER \to ME$	The user ends the call after 5 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 3.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"-Set up call Icon 3.1.1"
Address	
TON:	International
NIP:	ISDN / telephone numbering plan
Dialling number string	"012340123456p1p2"
Icon identifier	
Icon qualifier:	icon is not self-explanatory
Icon identifier:	<record 1="" ef="" img="" in=""></record>

Coding:

1

BER-TLV:	D0	38<u>30</u>	81	03	01	10	00	82	02	81	83	85
	16	53	65	74	20	75	70	20	63	61	6C	6C
	20	49	63	6F	6E	20	33	2E	31	2E	31	86
	09	91	10	32	04	21	43	65	1C	2C	9E	02
	01	01										

TERMINAL RESPONSE: SET UP CALL 3.1.1A

Command details	
Command number:	1
Command type:	SET UP CALL

Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Coding:	

BER-TLV:	81	03	01	10	00	82	02	82	81	83	01	00

[..]

Expected Sequence 3.2A (SET UP CALL, display of basic icon during confirmation phase, self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.2.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	Including icon identifier, icon shall be
		CALL 3.2.1	displayed instead of the first alpha identifier
4	$\text{ME} \rightarrow \text{USER}$	ME displays the basic icon during	
		a user confirmation phase.	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME\toSS$	The ME attempts to set up a call to	
		"+012340123456p1p2"	
7	$SS \rightarrow ME$	The ME receives the CONNECT	
		message from the system	
		simulator.	
8			[Command performed successfully]
9	$USER\toME$	The user ends the call after 5 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 3.2.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"-Set up call Icon 3.2.1"
Address	-
TON:	International
NIP:	ISDN / telephone numbering plan
Dialling number string	"012340123456p1p2"
Icon identifier	
Icon qualifier:	icon is self-explanatory
Icon identifier:	<record 1="" ef="" img="" in=""></record>

Coding:

BER-TLV:	D0	38<u>30</u>	81	03	01	10	00	82	02	81	83	85
	16	53	65	74	20	75	70	20	63	61	6C	6C
	20	49	63	6F	6E	20	33	2E	32	2E	31	86
	09	91	10	32	04	21	43	65	1C	2C	9E	02
	00	01										

TERMINAL RESPONSE: SET UP CALL 3.2.1A

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV: 81 03 01 10 00 82 02 82 81 83 01	00

[..]

Expected Sequence 3.3A (SET UP CALL, display of colour icon during confirmation phase, not self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.3.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: SET UP	Including icon identifier, icon shall be displayed in
		CALL 3.3.1	addition of the first alpha identifier
4	$\text{ME} \rightarrow \text{USER}$		
		and the colour icon during a user	
		confirmation phase.	
5	$USER\toME$	•	[user confirmation]
6	ME→SS	The ME attempts to set up a call to	
		"+012340123456p1p2"	
7	$SS\toME$	The ME receives the CONNECT	
		message from the system	
		simulator.	
8		TERMINAL RESPONSE 3.3.1A	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 5 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 3.3.1

Logically:

1

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"-Set up call Icon 3.3.1"
Address	
TON:	International
NIP:	ISDN / telephone numbering plan
Dialling number string	"012340123456p1p2"
Icon identifier	
Icon qualifier:	icon is self-explanatory
Icon identifier:	<record 2="" ef="" img="" in=""></record>

BER-TLV:	D0	38 <u>30</u>	81	03	01	10	00	82	02	81	83	85
	16	53	65	74	20	75	70	20	63	61	6C	6C
	20	49	63	6F	6E	20	33	2E	33	2E	31	86
	09	91	10	32	04	21	43	65	1C	2C	9E	02
	01	02										

TERMINAL RESPONSE: SET UP CALL 3.3.1A

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	10	00	82	02	82	81	83	01	00	
----------	----	----	----	----	----	----	----	----	----	----	----	----	--

Expected Sequence 3.3B (SET UP CALL, display of colour icon during confirmation phase, not self-explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1		PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.3.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: SET UP	Including icon identifier, icon shall be
		CALL 3.3.1	displayed in addition of the first alpha identifier
4	$\text{ME} \rightarrow \text{USER}$	ME only display alpha string: " Set up call Icon 3.3.1"	
5	$USER\toME$	The user confirms the set up call	[user confirmation]
6	$ME\toSS$	The ME attempts to set up a call to	
		"+012340123456p1p2"	
7	$\text{SS} \to \text{ME}$	The ME receives the CONNECT	
		message from the system	
		simulator.	
8	$ME \to SIM$	TERMINAL RESPONSE 3.3.1B	[Command performed successfully, but
			requested icon could not be displayed].
9	$USER \to ME$	The user ends the call after 5 s.	
		The ME returns in idle mode.	

TERMINAL RESPONSE: SET UP CALL 3.3.1B

Logically:

I

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	Network-ME
Destination device:	SIM
Result	

General Result: Command performed successfully, but requested icon could not be displayed

Coding:

BER-TLV:	81	03	01	10	00	82	02	<mark>83<u>82</u></mark>	81	83	01	04

[..]

Expected Sequence 3.4B (SET UP CALL, display of self explanatory basic icon during set up call, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.4.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$		Including a second alpha identifier and two
		CALL 3.4.1	icons
4	$ME \rightarrow USER$	ME display " Set up call Icon 3.4.1"	
_		without the icon	[
5		The user confirms the set up call	[user confirmation]
6	$ME \rightarrow SS$	The ME attempts to set up a call to	
		"+012340123456p1p2". The ME	
		displays the basic icon during the set up call. If the ME cannot	
		display the icon, it displays " Set	
		up call Icon 3.4.1"	
7	$SS \rightarrow ME$	The ME receives the CONNECT	
		message from the system	
		simulator.	
8	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE 3.4.1B	[Command performed successfully, but
			requested icon could not be displayed].
9	$USER\toME$	The user ends the call after 5 s.	
		The ME returns in idle mode.	

TERMINAL RESPONSE: SET UP CALL 3.4.1B

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	Network-ME
Destination device:	SIM
Result	
General Result:	Command performed successfully, but requested icon could not be displayed

Coding:

BER-TLV:	81	03	01	10	00	82	02	<mark>83<u>82</u></mark>	81	83	01	04
----------	----	----	----	----	----	----	----	--------------------------	----	----	----	----

27.22.4.13.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1A to 3.4B.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#***T*3-030645

ж		<mark>11.10-</mark> 4	4 CR	A032	жre	v -	. *	Cu	rrent vers	ion:	<mark>8.4.0</mark>	ж		
For <u>HELP</u> or	า นะ	sing this fo	orm, see l	bottom of this	s page	or loo	k at t	he po	p-up text	over t	the X syr	nbols.		
Proposed chang	le a	affects:	UICC ap	ps # <mark>X</mark>	ME	X R	adio	Acces	ss Networ	k	Core Ne	etwork		
Title:	ж	Essentia	al correctio	on to Set Up	Idle M	ode T	ext te	est cas	ses					
The company of the co		Looonin							500					
Source:	Ж	T3												
Work item code:	ж	TEI							Date: ೫	20/0	8/2003			
Category:	ж	Use <u>one</u> c F (cc A (cc B (ac C (fu D (ec	prrection) prresponds ddition of fe inctional m ditorial mod xplanation	odification of a dification) s of the above	on in an feature)			U	R96 R97 R98 R99 Rel-4	(GSM (Relea (Relea (Relea	lowing relé Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5)	eases:		

Reason for change: Ж	 An idle screen event is not required in TS 11.14 to set up and display the idle mode text. Therefore the use of this event, including the set up event list is unnecessary.
	• Expected sequences: If the display of the idle mode text is checked before and not after the TERMINAL RESPONSE the tests won't assure that the idle mode text will be displayed on an idle screen that is available after an TERMINAL RESPONSE. In this case the tested ME's behaviour would be similar to the behaviour of a display text execution.
	• PROACTIVE COMMAND : SET UP IDLE MODE TEXT 1.1.2 and TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.2: Incorrect numbering. According to clause 9 of this document the correct number shall be 1.1.1.
	PROACTIVE COMMAND : SET UP IDLE MODE TEXT 1.1.2: Coded text string in contradiction to logical value.
	• Expected sequences 1.8 and 1.9 belong to the same test purpose as sequence 1.4 and can therefore be executed in one sequence.
	TERMINAL RESPONSE: REFRESH 1.6.1A and TERMINAL RESPONSE: REFRESH 1.61B: Incorrect numbering
	 PROACTIVE COMMAND : SET UP IDLE MODE TEXT 1.7.1: Coded text string in contradiction to logical value.
	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.2.1: Incorrect

I

	numbering
	• PROACTIVE COMMAND : SET UP IDLE MODE TEXT 2.1.1, 2.2.1 and 2.3.1: Incorrect length in text string TLV indicated. Coded text string in contradiction to logical value.
	PROACTIVE COMMAND : SET UP IDLE MODE TEXT 2.4.1: Incorrect length indicated.
	• Test requirement clause in 27.22.4.22.1 has wrong number.
	 Wrong name of SAT command used ("Set Up Idle Mode List" instead of "Set Up Idle Mode Text") in: TERMINAL RESPONSE: SET UP IDLE MODE LIST 2.1.1A TERMINAL RESPONSE: SET UP IDLE MODE LIST 2.1.1B TERMINAL RESPONSE: SET UP IDLE MODE LIST 2.2.1 TERMINAL RESPONSE: SET UP IDLE MODE LIST 2.3.1 TERMINAL RESPONSE: SET UP IDLE MODE LIST 2.3.2 TERMINAL RESPONSE: SET UP IDLE MODE LIST 2.4.1 TERMINAL RESPONSE: SET UP IDLE MODE LIST 3.1.1
	 Test requirements refer to incorrect sequence numbers in: 27.22.4.22.3.5 (first occurrence) 27.22.4.22.2.5 27.22.4.22.3.5
	• 27.22.4.22.2.4.1 (Initial conditions): The default card contains the elementary files for icon management support according to CR T3-030510. Therefore no exceptions from the default card are needed.
Summary of change: ೫	• Above listed errors corrected, which includes that all Idle Screen Available events and related data are removed, and that the expected sequences are adjusted accordingly.
	• PROACTIVE COMMAND : SET UP IDLE MODE TEXT 1.7.1: Length of text string enhanced to maximum possible length.
	 Expected sequences 1.8 and 1.9: 1. Essential parts integrated into expected sequence 1.4, then 2. deleted
	Initial conditions and Test requirements adjusted.
	 27.22.4.22.2.4.1 adjusted according to the default card generated by CR T3- 030510.
Consequences if % not approved:	Incorrect implemented tests and unnecessary tested features. Tests won't be sufficient.
Clauses affected: %	27.22.4.22.1, 27.22.4.22.1.4.1, 27.22.4.22.1.4.2, 27.22.4.22.3.5 (first occurrence), 27.22.4.22.2.4.1, 27.22.4.22.2.4.2, 27.22.4.22.2.5, 27.22.4.22.3.4.1, 27.22.4.22.3.4.2, 27.22.4.22.3.5
Other specs % affected:	Y N 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.22.1 SET UP IDLE MODE TEXT (normal)

[..]

27.22.4.22.1.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The following events shall have been set up in the ME.

Event List

Logically:

Event 1: Idle screen available

27.22.4.22.1.4.2 Procedure

Expected Sequence 1.1 (SET UP IDLE MODE TEXT, display idle mode text)

Step	Direction	Message / Action	Comments
4	SIM → ME	PROACTIVE COMMAND	With the event Idle Screen available
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \rightarrow ME$	Wait for the mobile returns to idle	
		mode.	
		Select idle screen	
4	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 1.1.1	
5 1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Idle Mode Text]
		PENDING: SET UP IDLE MODE	
		TEXT 1.1. <u>21</u>	
6 <u>2</u>	$ME \rightarrow SIM$	FETCH	
7 <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		IDLE MODE TEXT 1.1. <mark>21</mark>	
<u>4</u>	$\underline{ME} \rightarrow \underline{SIM}$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		IDLE MODE TEXT 1.1.1	
<u>5</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE SIM SESSION	
_		ENDED	
<u>6</u>	$\underline{USER} \to ME$	Select idle screen	Only if idle screen not already available
<u>7</u> 8	$ME \rightarrow USER$	Display "Idle Mode Text"	
9	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		IDLE MODE TEXT 1.1.2	
10	SIM → ME	PROACTIVE SIM SESSION	
		ENDED	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details	
	SET UP EVENT LIST
	<u>'00'</u>
Device identities	
Source device:	
	— ME
Event list	
Event 1:	Idle screen available

Coding:

BER-TLV:	ÐÐ	0C	81	03	01	05	00	82	02	81	82	99
	01	05										

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

 Command details

 Command number:
 1

 Command type:
 SET UP EVENT LIST

 Command qualifier:
 '00'

 Device identities
 Source device:

 ME
 Destination device:

 SIM
 Result

General Result: Command performed successfully

Coding: 01 BER-TLV: 81 03 01 05 00 82 02 82 81 83 00 ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 1.1.1 Logically: Event list Idle screen available Event 1: **Device identities** Source device Display <u>SIM</u> **Destination devic** Coding: BER-TLV: D6 07 99 01 05 82 02 02 81 PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.21 Logically: Command details Command number: 1 SET UP IDLE MODE TEXT Command type: Command qualifier: RFU Device identities Source device: SIM Destination device: ME Text String Data coding scheme: unpacked, 8 bit data Text: "Idle Mode Text" Coding: BER-TLV: D0 1A 81 03 28 00 82 02 81 82 8D 01 4D 65 0F 04 20 6F 64 49 64 6C 65 20 74 5654 65 78

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.21

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV: 81 03 01	28	00	82	02	82	81	83	01	00
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Expected Sequence 1.2 (SET UP IDLE MODE TEXT, replace idle mode text)

Step	Direction	MESSAGE / Action	Comments
4	SIM → ME	PROACTIVE COMMAND	With the event Idle Screen available
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$\frac{USER}{WSER} \rightarrow ME$	Wait for the mobile returns to idle	
		mode.	
		Select idle screen	
4	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 1.1.1	
5 1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SET UP IDLE MODE	
		TEXT 1.1. <u>21</u>	
6 <u>2</u>	$ME \rightarrow SIM$	FETCH	
7 <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	[Idle Mode Text]
		IDLE MODE TEXT 1.1.21	
8	$ME \rightarrow USER$	Display "Idle Mode Text"	
94	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	
		IDLE MODE TEXT 1.1.21	
<u>5</u> 6 10 7		Select idle screen	Only if idle screen not already available
<u>6</u>	$\underline{ME} \to \underline{USER}$	Display "Idle Mode Text"	
10<u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Idle Mode Text]
		PENDING: SET UP IDLE MODE	
		TEXT 1.2.1	
11	$ME \rightarrow USER$	Display "Toolkit Test"	
<mark>12</mark> 8	$ME\toSIM$	TERMINAL RESPONSE: SET UP	
		IDLE MODE TEXT 1.2.1	
13<u>9</u>	$SIM\toME$	PROACTIVE SIM SESSION	
		ENDED	
<u>10</u> 11		Select idle screen	Only if idle screen not already available
<u>11</u>	$ME \rightarrow USER$	Display "Toolkit Test"	

PROACTIVE COMMAND: SETUP IDLE MODE TEXT 1.2.1

Logically:

Command details	
Command number:	1
Command type:	SETUP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Display
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Toolkit Test"

Coding:

BER-TLV:	D0	18	81	03	01	28	00	82	02	81	82	8D
	0D	04	54	6F	6F	6C	6B	69	74	20	54	65
	73	74										

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.2.1

Logically:

Command details

Command number: Command type: Command qualifier:	1 SET UP IDLE MODE TEXT RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

	82 81 83	01 00
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Expected Sequence 1.3 (SET UP IDLE MODE TEXT, remove idle mode text)

Step	Direction	MESSAGE / Action	Comments
4	SIM → ME	PROACTIVE COMMAND PENDING:	With the event Idle Screen available
		SET UP EVENT LIST 1.1.1	
2	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \rightarrow ME$	Wait for the user returns to idle mode.	
		Select idle screen	
4	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 1.1.1	
5 1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING:	
		SET UP IDLE MODE TEXT 1.1.21	
6 <u>2</u>	$ME \rightarrow SIM$	FETCH	
7 <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	["Idle Mode Text"]
		IDLE MODE TEXT 1.1.21	
<u>4</u>	$\underline{ME} \rightarrow \underline{SIM}$	TERMINAL RESPONSE: SET UP	
5		IDLE MODE TEXT 1.1.1	Only if idle careen not already available
<u>5</u> 8 <u>6</u>		<u>Select idle screen</u> Display "Idle Mode Text"	Only if idle screen not already available
<u>9</u>		TERMINAL RESPONSE: SET UP	
÷	<mark>ME → SIM</mark>	IDLE MODE TEXT 1.1.2	
10 7	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING:	
+0 <u>/</u>		SET UP IDLE MODE TEXT 1.3.1	
118	$ME \rightarrow SIM$	FETCH	
12 9	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	[Remove idle mode text]
		IDLE MODE TEXT 1.3.1	
13	ME → USER	Display idle screen / "Idle Mode Text"	
		not to be displayed	
14 10	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	
		IDLE MODE TEXT 1.3.1	
15<u>11</u>	$SIM\toME$	PROACTIVE SIM SESSION ENDED	
<u>12</u>	$\underline{USER} \to ME$	Select idle screen	Only if idle screen not already available
<u>13</u>	$ME \rightarrow USER$	Display idle screen / "Idle Mode Text"	
		not to be displayed	

PROACTIVE COMMAND: SETUP IDLE MODE TEXT 1.3.1

Logically:

Command details	
Command number:	1
Command type:	SETUP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME
Text String:	zero length TLV

Coding:

BER-TLV:	D0	0B	81	03	01	28	00	82	02	81	82	8D
	00											

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.3.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV: 81 03 01 28	00 82 02	82 81 83	01 00
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Expected Sequence 1.4 (SET UP IDLE MODE TEXT, competing information on ME display)

Step	Direction	MESSAGE / Action	Comments
4	SIM → ME	PROACTIVE COMMAND	With the event Idle Screen available
- T		PENDING: SET UP EVENT LIST	with the event falle boreen available
		1.1.1	
2	ME → SIM	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \rightarrow ME$	Wait for the mobile returns to idle	
		mode.	
		Select idle screen	
4	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 1.1.2	
5 1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: SET UP IDLE MODE	
		TEXT 1.1. <mark>/2</mark> 1	
<u>62</u>	$ME \rightarrow SIM$	FETCH	
7 <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	["Idle Mode Text"]
		IDLE MODE TEXT 1.1.21	
8		Display "Idle Mode Text"	
9<u>4</u>	$ME\toSIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
5		IDLE MODE TEXT 1.1.21	Only if idle screen not already available
5		Select idle screen Display "Idle Mode Text"	Only in the screen not already available
<u>6</u> 10 7	$\frac{\text{ME} \rightarrow \text{USER}}{\text{SS} \rightarrow \text{ME}}$	SMS PP 1.4.1	[Display immediate SMS]
11 <u>8</u>		Display "Short Message"	
12 <u>9</u>		Clear display and select idle	
+23	$USER \to ME$	screen	
13 10		Display "Idle Mode Text"	
11	$\frac{\text{SIM} \rightarrow \text{ME}}{\text{SIM} \rightarrow \text{ME}}$	PROACTIVE COMMAND	
<u> </u>		PENDING: DISPLAY TEXT 1.4.1	
<u>12</u>	$ME \rightarrow SIM$	FETCH	
13	$SIM \rightarrow ME$	PROACTIVE COMMAND:	[Normal priority, wait for user to clear
		DISPLAY TEXT 1.4.1	message, unpacked, 8 bit data]
<u>14</u>	$ME \rightarrow USER$	Display " Toolkit Test 1"	
<u>15</u>	$USER \rightarrow ME$	Clear Message	
<u>16</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE:	[Command performed successfully]
		DISPLAY TEXT 1.4.1	
<u>17</u>	$\underline{ME} \to \underline{USER}$	Display "Idle Mode Text"	
<u>18</u>	$\underline{SIM} \to ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.4.1	
<u>19</u>	$\underline{ME} \to \underline{SIM}$	FETCH	
<u>20</u>	$\underline{SIM} \to \underline{ME}$	PROACTIVE COMMAND: PLAY	
04		TONE 1.4.1 Diaplay "Dial Tapa"	
<u>21</u>	$\underline{ME} \to \underline{USER}$	Display "Dial Tone"	
		Play a standard supervisory dial	
		tone through the external ringer for	
		a duration of 5 s	
22	$\underline{ME}\to \underline{SIM}$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
	<u></u>	TONE 1.4.1	
<u>23</u>	$\underline{SIM}\to ME$	PROACTIVE SIM SESSION	
		ENDED	
<u>24</u>	$\underline{ME} \to \underline{USER}$	Display "Idle Mode Text"	

SMS-PP 1.4.1

SMS TPDU	
TP-MTI	SMS-SUBMIT
TP-RD	Instruct the SC to accept an SMS-SUBMIT for a SM
TP-VPF	TP-VP field not present
TP-RP	TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI	The TP-UD field contains only the short message

TP-SRR	A status report is not requested
TP-MR	"00"
TP-DA	
TON	International number
NIP	"ISDN / telephone numbering plan"
Address value	"012345678"
TP-PID	Short message type 0
TP-DCS	
Message coding	8-bit data
Message class	class 0
TP-UDL	12
TP-UD	"Test Message"

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

PROACTIVE COMMAND: DISPLAY TEXT 1.4.1

Logically:

Command details	
Command number:	<u>1</u>
Command type:	DISPLAY TEXT
Command qualifier:	normal priority, wait for user to clear message
Device identities	
Source device:	SIM
Destination device:	Display
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Toolkit Test 1"

Coding:

BER-TLV :	<u>D0</u>	<u>1A</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>21</u>	<u>80</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>02</u>	<u>8D</u>
	<u>0F</u>	<u>04</u>	<u>54</u>	<u>6F</u>	<u>6F</u>	<u>6C</u>	<u>6B</u>	<u>69</u>	<u>74</u>	<u>20</u>	<u>54</u>	<u>65</u>
	<u>73</u>	<u>74</u>	<u>20</u>	<u>31</u>								

TERMINAL RESPONSE: DISPLAY TEXT 1.4.1

Logically:

Command details	
Command number:	<u>1</u>
Command type:	DISPLAY TEXT
Command qualifier:	normal priority, wait for user to clear message
Device identities	
Source device:	ME
Destination device:	SIM
<u>Result</u>	
General Result:	Command performed successfully

Coding:

<u>BER-TLV:</u> <u>81</u> <u>03</u> <u>01</u>	<u>21 80 82</u>	<u>02</u> <u>82</u> <u>81</u>	<u>83</u> <u>01</u> <u>00</u>
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PROACTIVE COMMAND: PLAY TONE 1.4.1

Logically:

Command details	
Command number:	<u>1</u>
Command type:	PLAY TONE
Command qualifier:	<u>"00"</u>
Device identities	
Source device:	SIM
Destination device:	Earpiece
Alpha identifier:	"Dial Tone"
TONe:	Standard supervisory tones: dial tone
Duration	
Time unit:	Seconds
Time interval:	<u>5</u>

BER-TLV :	<u>D0</u>	<u>1B</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>20</u>	<u>00</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>03</u>	<u>85</u>
	<u>09</u>	<u>44</u>	<u>69</u>	<u>61</u>	<u>6C</u>	<u>20</u>	<u>54</u>	<u>6F</u>	<u>6E</u>	<u>65</u>	<u>8E</u>	<u>01</u>
	<u>01</u>	<u>84</u>	<u>02</u>	<u>01</u>	<u>05</u>							

TERMINAL RESPONSE: PLAY TONE 1.4.1

Logically:

1 PLAY TONE
PLAY TONE
<u>"00"</u>
ME
SIM
Command performed successfully
-

Coding:

<u>ER-TLV:</u> <u>81</u> <u>03</u> <u>01</u>	<u>20</u> <u>00</u>	<u>82</u> <u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>00</u>
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Expected Sequence 1.5 (SET UP IDLE MODE TEXT, ME power cycled)

Step	Direction	MESSAGE / Action	Comments
4	$SIM \rightarrow ME$	PROACTIVE COMMAND	With the event Idle Screen available
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \rightarrow ME$	Wait for the mobile returns into idle	
		mode.	
		Select idle screen	
4	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
F 1	$SIM \rightarrow ME$	IDLE SCREEN AVAILABLE 1.1.1 PROACTIVE COMMAND	
5 1		PENDING: SET UP IDLE MODE	
		TEXT 1.1.12	
<u>62</u>	$ME \rightarrow SIM$	IFETCH	
7 3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	["Idle Mode Text"]
' <u> </u>		IDLE MODE TEXT 1.1.12	
8	ME → USER	Display "Idle Mode Text"	
94	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[command performed successfully]
_		IDLE MODE TEXT 1.1.12	
5	$USER\toME$	Select idle screen	Only if idle screen not already available
<u>5</u> 6		Display "Idle Mode Text"	
10 7	$USER\toME$	Power off ME	
<mark>11</mark> 8	$ME \Leftrightarrow SIM$	GSM TERMINATION	
		PROCEDURE	
12 9	$USER\toME$	Power on ME	
13<u>10</u>	$ME \Leftrightarrow SIM$	GSM ACTIVATION PROCEDURE	
<u> 44<u>11</u></u>	$ME \Leftrightarrow SIM$	SIM INITIALIZATION	
<u>12</u>	$\underline{USER} \to ME$	Select idle screen	Only if idle screen not already available
<mark>-14<u>13</u></mark>	$\text{ME} \rightarrow \text{USER}$	Display idle screen / "Idle Mode	
		Text" not to be displayed	

Expected Sequence 1.6 (SET UP IDLE MODE TEXT, REFRESH with SIM Initialization)

Step	Direction	MESSAGE / Action	Comments
4	SIM → ME	PROACTIVE COMMAND	With the event Idle Screen available
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \rightarrow ME$	Wait for the mobile returns to idle	
		mode.	
		Select idle screen	
4	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 1.1.1	
5 1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Idle Mode Text]
		PENDING: SET UP IDLE MODE	
		TEXT 1.1.1	
6 <u>2</u>	$ME \rightarrow SIM$	FETCH	
7 <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		IDLE MODE TEXT 1.1.21	
8		Display "Idle Mode Text"	
9 4	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	
_		IDLE MODE TEXT 1.1.21	
<u>5</u> 6		Select idle screen	Only if idle screen not already available
<u>6</u>		Display "Idle Mode Text"	
10<u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
440		PENDING: REFRESH 1.6.1	
11 <u>8</u>	$ME \rightarrow SIM$	FETCH	
12 9	$SIM \rightarrow ME$	PROACTIVE COMMAND:	[SIM Initialization]
4040		REFRESH 1.6.1	
43 <u>10</u>	ME ⇔ SIM		Only if inly a surgery material and the surgitable
<u>11</u>		Select idle screen	Only if idle screen not already available
44 <u>12</u>	$ME \rightarrow USER$	Display idle screen / "Idle Mode	
4540		Text" not to be displayed TERMINAL RESPONSE:	Command parformed augeopoticily 1
15<u>13</u>	$ME \rightarrow SIM$		[Command performed successfully]
		REFRESH 1.6.1 <u>A</u>	
		or TERMINAL RESPONSE:	Command porformed successfully with
		REFRESH 1.6.1B	[Command performed successfully with additional files read]
1614	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
16<u>14</u>		ENDED	

PROACTIVE COMMAND: REFRESH 1.6.1

Logically:

Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization
Device identities	
Source device:	SIM
Destination device:	ME

Coding:

Ĩ	BER-TLV:	D0	09	81	03	01	01	03	82	02	81	82
				•••		•••	•.				•.	~-

TERMINAL RESPONSE: REFRESH 1.6.1A

Logically:

Command details Command number: 1 Command type: REFRESH

Command qualifier: Device identities Source device: Destination device: Result	SIM Initialization ME SIM									
General Result:										
Coding:										
BER-TLV: 81	03 01 01 03 82 02 82 81 83 01 00									
TERMINAL RESPONSE: REF	RESH 1.6 <u>.</u> 1B									
Command details Command number: Command type: Command qualifier: Device identities Source device: Destination device: Result General Result:	1 REFRESH SIM Initialization ME SIM REFRESH performed with additional EFs read									
Coding:										

BER-TLV: 81 03 01 01 03 82 02 82 81 83 01 03									
	BER-TLV:	03	01	01	03	82	82	83	113

Expected Sequence 1.7 (SET UP IDLE MODE TEXT, large text string)

Step	Direction	MESSAGE / Action	Comments
4	SIM → ME	PROACTIVE COMMAND	With the event Idle Screen available
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \rightarrow ME$	Wait for the mobile returns to idle	
		mode.	
		Select idle screen	
4	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 1.1.1	
<mark>51</mark>	$SIM \rightarrow ME$	PROACTIVE COMMAND	[large text string]
		PENDING: SET UP IDLE MODE	
		TEXT 1.7.1	
<mark>62</mark>	/ •	FETCH	
7 <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		IDLE MODE TEXT 1.7.1	
<u>4</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[command performed successfully]
		IDLE MODE TEXT 1.7.1	
<u>5</u>	$\underline{SIM} \to ME$	PROACTIVE SIM SESSION	
•		ENDED	
<u>6</u> 87	$\underline{USER} \to ME$	<u>Select idle screen</u>	Only if idle screen not already available
8 <u>/</u>	$ME \rightarrow USER$	Display "The SIM shall supply a	[274 characters]
		text string, which shall be	
		displayed by the ME as an idle	
		mode text if the ME is able to do it.	
		The presentation style is left as an implementation decision to the ME	
		manufacturer. The idle mode text	
		shall be displayed in a manner that	
		ensures that <u>ne</u> "	
9	ME → SIM	TERMINAL RESPONSE: SET UP	Command performed successfully
•		IDLE MODE TEXT 1 7 1	
10	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	

ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 1.7.1

Logically:

Event list
Event 1: Idle screen available
Device identities
Source device: Display
Destination device: SIM

Coding:

BER-TLV: D6 07 99 01 05 82 02 02 81

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.7.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME
Text String	

Data coding scheme: Text: packed, SMS default alphabet

"The SIM shall supply a text string, which shall be displayed by the ME as an idle mode text if the ME is able to do it. The presentation style is left as an implementation decision to the ME manufacturer. The idle mode text shall be displayed in a manner that ensures that <u>ne</u>"

Coding:

BER-TLV:	D0	81	FBF	81	03	01	28	00	82	02	81	82
	8D	81		00	54	74	19	34	4D	36	41	73
	00	01	EF<u>F</u> 1	00	54	/4	19	34	40	30	41	73
	74	98	CD	06	CD	EB	70	38	3B	0F	0A	83
	E8	65	3C	1D	34	A7	CB	D3	EE	33	0B	74
	47	A7	C7	68	D0	1C	1D	66	B3	41	E2	32
	88	9C	9E	C3	D9	E1	7C	99	0C	12	E7	01<u>41</u>
	74	74	19	D4	2C	82	C2	73	50	D8	0D	4A
	93	D9	65	50	FB	4D	2E	83	E8	65	3C	1D
	94	36	83	E8	E8	32	A8	59	04	A5	E7	A0
	B0	98	5D	06	D1	DF	20	F2	1B	94	A6	BB
	<u>A8</u> 40	<u>E8</u> 54	<u>32</u> 74	<u>08</u> 19	<u>2E</u> 04	<u>2F</u> 97	<u>С</u> С З	<u>CB</u> E 5	<u>6E</u> 79	<u>7A</u> Ð 9	<u>98</u> 4D	<u>9E</u> 0F
	<u>7E</u> Đ3	BBD 3	<u>41</u> 6F	<u>73</u> 37	<u>7A</u> 68	<u>9</u> 9 ₽	5D C ₽	<u>06</u> 83	A5C B	<u>Е7</u> А Ф	<u>20</u> ₣4	<u>76</u> 1 C
	<u>D9</u>	<u>4C</u> 2	<u>07</u> 9B	<u>85</u> €9	<u>E7</u> A	<u>A0</u> F0	<u>B0</u> 1	<u>1B</u> 14	<u>94</u> 76	<u>6E</u> 83	<u>C3</u> D	<u>D9</u> 6
	C4	E			θ		e				2	Ð
	<u>E5</u> 38	<u>76</u> ₿ ₿	D9 C	<u>4D</u> 2 €	0F₽ ₽	<u>D3</u> € 9	<u>D3</u> 61	<u>6F</u> 7A	<u>37</u> FA	<u>88</u> ⊑ ₽	<u>5C</u> 06	<u>1E</u> 91
		<u>E7</u> €	<u>E9</u> F4	<u>B7</u> 3	<u>1B</u> ₣	<u>44</u> 76	<u>7F</u> 83	<u>83</u> E8	<u>E8</u> 6F	<u>E8</u> 10	<u>32</u> 1D	<u>A8</u> 5
	A7 CB	3		e	Ð							Ð
	<u>59</u> 06	<u>04</u> 35	<u>B5</u> 8 B	C3E ₽	EE₽ ₽	BAB B	<u>39</u> 6€	<u>3C</u> ⊕ ₩	<u>A6</u> 8F	<u>D7</u> ⊑ 9	<u>E5</u> 75	<u>65</u> 79
	<u>B9 </u> 59	0B E E	<u>44</u> 02	<u>45</u> 51	<u>97</u> Ð1	<u>41</u> 65	<u>69</u> 50	<u>32</u> 9A	BBC C	0 <u>C</u> 2 €	<u>6A</u> 83	BFÐ A
	<u>C9</u> 6F	<u>65</u> 72	<u>10</u> 19	<u>BD</u> 4 4	<u>8C</u> 2 ₣	<u>A7</u> ⊑ 3	<u>83</u> 01	<u>E6</u> 74	<u>€8</u> ₽ ₽	<u>30</u> 1 C	<u>9</u> 84 Đ	<u>0D</u> 66
	<u>12</u> B3	<u>97</u> 41	<u>41</u> E2	<u>E4</u> 32	<u>F4</u> 88	<u>1C</u> 9 C	<u>CE</u> 9 ₽	0EC 3	<u>E7</u> Ð 9	<u>CB</u> € 1	<u>64</u> 7C	<u>50</u> 99
	DA 0C	0D4 A	0A₽ ₽	<u>83</u> 41	<u>DA</u> 6 1	<u>61</u> 50	<u>B7</u> 3 B	BB E €	<u>2C</u> 76	<u>07</u> 97	<u>D1</u> ⊑ 5	<u>D1</u> 74
	<u>61</u> 74	<u>3A</u> 98	<u>A8</u> 0 E	EC2 A	<u>9</u> ₽₿ ₿	<u>D7</u> ⊑ 7	<u>E5</u> 75	<u>E5</u> 79	<u>39</u> 79	<u>88</u> 0E	8EA 2	<u>0E</u> A 3
	D3C3	<u>41</u> 74	<u>EE</u>	<u>32</u>								

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.7.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command q ualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	28	00	82	02	82	81	83	01	00
	0.	00	01		00	04	02	01	01	00	01	00

Expected Sequence 1.8 (SET UP IDLE MODE TEXT, display idle mode text followed by a display text)

Step	Direction	Message / Action	Comments
4	$SIM \rightarrow ME$	PROACTIVE COMMAND	With the event Idle Screen available
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	ME → SIM	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \rightarrow ME$	Wait for the mobile returns to idle	
		mode.	
		Select idle screen	
4	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 1.1.1	
5	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Idle Mode Text]
		PENDING: SET UP IDLE MODE	
		TEXT 1.1.2	
6	$ME \rightarrow SIM$	FETCH	
7	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		IDLE MODE TEXT 1.1.2	
8	ME → USER	Display "Idle Mode Text"	
9	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		IDLE MODE TEXT 1.1.2	
10	SIM → ME	PROACTIVE COMMAND	
		PENDING: DISPLAY TEXT 1.8.1	
11	ME → SIM	FETCH	
12	SIM → ME	PROACTIVE COMMAND:	[Normal priority, wait for user to clear
		DISPLAY TEXT 1.8.1	message, unpacked, 8 bit data]
13	$\frac{ME}{WE} \rightarrow USER$	Display " Toolkit Test 1"	
14	$USER \rightarrow ME$	Clear Message	
15	ME → SIM	TERMINAL RESPONSE:	[Command performed successfully]
10		DISPLAY TEXT 1.8.1	
16	SIM → ME	PROACTIVE SIM SESSION	
		ENDED	
17	$ME \rightarrow USER$	Display "Idle Mode Text"	

PROACTIVE COMMAND: DISPLAY TEXT 1.8.1

Logically:

Command number: 1	
Command type: DISPLAY TEXT	
Command qualifier: normal priority, wait for user to clear message	e
Device identities	
Text String	

Text: "Toolkit Test 1"

Coding:

BER-TLV:	D0	1A	81	03	01	21	80	82	02	81	02	8D
	0E	0 4	5 4	6E	6E	6C	6B	69	74	20	5 4	65
	73	74	20	31								

TERMINAL RESPONSE: DISPLAY TEXT 1.8.1

Logically:

Command details Command number: 1 Command type: DISPLAY TEXT

	Command qualifier:	normal priority, wait for user to clear message
Devic	e identities	
	Source device:	-ME
	Destination device:	SIM
Result	÷	
	General Result:	Command performed successfully
		•
Coding:		

Expected Sequence 1.9 (SET UP IDLE MODE TEXT, display idle mode text followed by a play tone command)

Step	Direction	Message / Action	Comments
4	$SIM \rightarrow ME$	PROACTIVE COMMAND	With the event Idle Screen available
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \rightarrow ME$	Wait for the mobile returns to idle	
		mode.	
		Select idle screen	
4	ME → SIM	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 1.1.1	
5	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Idle Mode Text]
		PENDING: SET UP IDLE MODE	
		TEXT 1.1.2	
6	$ME \rightarrow SIM$	FETCH	
7	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		IDLE MODE TEXT 1.1.2	
8	$ME \rightarrow USER$	Display "Idle Mode Text"	
9	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command performed successfully]
		IDLE MODE TEXT 1.1.2	
10	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.9.1	
11	$ME \rightarrow SIM$	FETCH	
12	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY	
		TONE 1.9.1	
13	ME → USER	Display "Dial Tone"	
		Play a standard supervisory dial	
		tone through the external ringer for	
		a duration of 5 s	
14	$ME \rightarrow SIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.9.1	
15	SIM → ME	PROACTIVE SIM SESSION	
		ENDED	
16	ME → USER	Display "Idle Mode Text"	

PROACTIVE COMMAND: PLAY TONE 1.9.1

Logically:

Command details	
Command number:	<u> </u>
Command qualifier	:
Device identities	
	Earpiece
	Standard supervisory tones: dial tone

Duration

 Time unit:
 Seconds

 Time interval:
 5

Coding:

BER-TLV:	ÐÐ	1B	81	03	01	20	00	82	02	81	03	85
	09	44	69	61	6C	20	54	6 F	6	65	8E	01
	01	84	02	01	05							

TERMINAL RESPONSE: PLAY TONE 1.9.1

Logically:

Command details	
	1
Command qualifier:	<u> </u>
Device identities	
	— ME
	SIM
Result	
General Result:	- Command performed successfully

Coding:

BER-TLV: 81	03 01	20 00	82 02	82	81	83	01	00
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27.22.4.22.<u>31</u>.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1, 2, 3, 4, 5, 6 and to 1.7.

27.22.4.22.2.4.1 Initial conditions

The ME is connected to both the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default-with the following exceptions.

EF IMG

Logically:

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The following events shall have been set up in the ME.

Event List

Logically:

Event 1: Idle screen available

27.22.4.22.2.4.2 Procedure

Expected Sequence 2.1A (SET UP IDLE MODE TEXT, Icon is self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
4	$USER \rightarrow ME$	Select idle screen	
2	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 2.1.1	
3 1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Icon is self-explanatory]
		PENDING: SET UP IDLE MODE	
		TEXT 2.1.1	
4 <u>2</u>	$ME \rightarrow SIM$	FETCH	
5 3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		IDLE MODE TEXT 2.1.1	
6	$ME \rightarrow USER$	Display the icon	
7 <u>4</u>	$ME \rightarrow SIM$		[command performed successfully]
		IDLE MODE TEXT 2.1.1A	
8 <u>5</u>	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
<u>0</u>			
<u>6</u>	$USER \rightarrow ME$	Select idle screen	Only if idle screen not already available
7	$ME \rightarrow USER$	Display the icon	

ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.1.1

Logically:

Event list Event 1: Idle screen available Device identities Source device: Display Destination device: SIM

Coding:

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME
Text String:	"Idle text"
Icon identifier	
Icon qualifier:	icon is self-explanatory
Icon identifier:	<record 1="" ef="" img="" in=""></record>

Coding:

1

BER-TLV:	D0	19	81	03	01	28	00	82	02	81	82	8D
	0 <mark>A</mark> ₽	04	49	64	6C	65	20	56<u>74</u>	65	78	74	9E
	02	00	01									

TERMINAL RESPONSE: SET UP IDLE MODE LIST_TEXT 2.1.1A

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	28	00	82	02	82	81	83	01	00

Expected Sequence 2.1B (SET UP IDLE MODE TEXT, Icon is self-explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
4	$USER \rightarrow ME$	Select idle screen	
2	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
3<u>1</u>	$SIM \to ME$	IDLE SCREEN AVAILABLE 2.1.1 PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.1.1	[Icon is self-explanatory]
4 <u>2</u>	$ME \rightarrow SIM$	FETCH	
5 3	$SIM\toME$	PROACTIVE COMMAND: SET UP	
6	ME → USER	IDLE MODE TEXT 2.1.1 Display "Idle text" without the icon	
74	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	[Command performed successfully, but
8 5	$SIM\toME$	IDLE MODE TEXT 2.1.1B PROACTIVE SIM SESSION ENDED	requested icon could not be displayed]
<u>6</u>	$\underline{USER} \to \underline{ME}$	Select idle screen	Only if idle screen not already available
<u>7</u>	$ME \rightarrow USER$	Display "Idle text" without the icon	

TERMINAL RESPONSE: SET UP IDLE MODE LIST_TEXT 2.1.1B

Logically:

Command	details	
Con	nmand number:	1
Con	nmand type:	SET UP IDLE MODE TEXT
Con	nmand qualifier:	RFU
Device ider	ntities	
Sou	rce device:	ME
Dest	tination device:	SIM
Result		
Gen	eral Result:	Command performed successfully, but requested icon could not be displayed
Coding:		

	28 00 82 02	82 81 83	01 04
--	-------------	----------	-------

Expected Sequence 2.2A (SET UP IDLE MODE TEXT, Icon is not self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
4	$USER \rightarrow ME$	Select idle screen	
2	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
3<u>1</u>	$SIM \to ME$	IDLE SCREEN AVAILABLE 2.2.1 PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.2.1	[Icon is not self-explanatory]
4 <u>2</u>	$ME \rightarrow SIM$	FETCH	
53	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
6	ME → USER	IDLE MODE TEXT 2.2.1 Display icon #1 and "Idle text"	
74	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[command performed successfully]
- 8 <u>5</u>	$SIM\toME$	IDLE MODE TEXT 2.2.1A PROACTIVE SIM SESSION ENDED	
<u>6</u>	$\underline{USER}\to ME$	Select idle screen	Only if idle screen not already available
<u>7</u>	$ME \rightarrow USER$	Display icon #1 and "Idle text"	

ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.2.1

Logically:

Event list Event	•	-Idle sci	reen av	ailable						
Device identit	ies									
Source	device:	Displa	¥							
Destina	ation device:	- SIM								
Coding:										
	BER-TLV:	D6	07	99	01	05	82	02	02	81

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.2.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME
Text String:	"Idle text"
Icon identifier	
Icon qualifier:	icon is not self-explanatory
Icon identifier:	<record 1="" ef="" img="" in=""></record>

Coding:

1

BER-TLV:	D0	19	81	03	01	28	00	82	02	81	82	8D
	0F<u>0A</u>	04	49	64	6C	65	20	56<u>74</u>	65	78	74	9E
	02	01	01									

TERMINAL RESPONSE: SET UP IDLE MODE TEXTLIST 2.2.1A

Logically:

Command details

Command number	: 1	
Command type:	SET UP IDLE MODE TEXT	
Command qualify	r: RFU	
Device identities		
Source device:	ME	
Destination device	: SIM	
Result		
General Result:	Command performed successfully	
	1 V	

BE	R-TLV:	81	03	01	28	00	82	02	82	81	83	01	00	
----	--------	----	----	----	----	----	----	----	----	----	----	----	----	--

Expected Sequence 2.2B (SET UP IDLE MODE TEXT, Icon is not self-explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
4	$USER \rightarrow ME$	Select idle screen	
2	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		IDLE SCREEN AVAILABLE 2.2.1	
3 <u>1</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Icon is not self-explanatory]
		PENDING: SET UP IDLE MODE	
		TEXT 2.2.1	
4 <u>2</u>	$\text{ME} \rightarrow \text{SIM}$	FETCH	
<mark>53</mark>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		IDLE MODE TEXT 2.2.1	
6	$ME \rightarrow USER$	Display "Idle text" without the icon	
7 4	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	[Command performed successfully, but
		IDLE MODE TEXT 2.2.1B	requested icon could not be displayed]
<mark>8</mark> 5	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	
<u>6</u>	$\underline{USER} \to ME$	Select idle screen	Only if idle screen not already available
<u>7</u>	$\underline{ME} \to \underline{USER}$	Display "Idle text" without the icon	

TERMINAL RESPONSE: SET UP IDLE MODE LIST_TEXT 2.2.1B

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully, but requested icon could not be displayed

Coding:

BER-TLV: 81	03	01	28	00	82	02	82	81	83	01	04
-------------	----	----	----	----	----	----	----	----	----	----	----

Expected Sequence 2.3 (SET UP IDLE MODE TEXT, Icon is self-explanatory, colour icon)

Step	Direction	MESSAGE / Action	Comments
4	$USER \rightarrow ME$	Select idle screen	
2	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
3<u>1</u>	$SIM\toME$	PENDING: SET UP IDLE MODE	[Icon is self-explanatory]
4 <u>2</u>	$\text{ME} \rightarrow \text{SIM}$	TEXT 2.3.1 FETCH	
<mark>5</mark> 3	$SIM\toME$	PROACTIVE COMMAND: SET UP	
	ME USER	IDLE MODE TEXT 2.3.1 Display "Idle text"	
7 <u>4</u>	$ME\toSIM$	TERMINAL RESPONSE: SET UP	[command performed successfully]
			[requested icon could not be displayed]
8 <u>5</u>	$SIM\toME$	PROACTIVE SIM SESSION	
<u>6</u>	$USER \rightarrow ME$	Select idle screen	Only if idle screen not already available
7	ME USER	Display "Idle text"	

ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.3.1

Logically:

Event list	
	Idle screen available
Device identities	
	— Display
	— <u>SIM</u>

Coding:

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.3.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME
Text String:	"Idle text"
Icon identifier	
Icon qualifier:	icon is self-explanatory
Icon identifier:	<record 2="" ef="" img="" in=""></record>

Coding:

1

BER-TLV:	D0	19	81	03	01	28	00	82	02	81	82	8D
	<u> </u>	04	49	64	6C	65	20	56<u>74</u>	65	78	74	9E
	02	00	02									

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	28	00	82	02	82	81	83	01	00

TERMINAL RESPONSE: SET UP IDLE MODE LIST_TEXT 2.3.2

Logically:

displayed
- •

Coding:

BER-TLV:	81	03	01	28	00	82	02	82	81	83	01	04

Expected Sequence 2.4 (SET UP IDLE MODE TEXT, Icon is not self-explanatory, no text string)

Step	Direction	MESSAGE / Action	Comments
4	$USER \rightarrow ME$	Select idle screen	
2	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
3<u>1</u>	$SIM \to ME$	IDLE SCREEN AVAILABLE 2.4.1 PROACTIVE COMMAND PENDING: SET UP IDLE MODE	[Icon is not self-explanatory, no text string]
		TEXT 2.4.1	
4 <u>2</u>	$ME \rightarrow SIM$	FETCH	
5 <u>3</u>	$SIM\toME$	PROACTIVE COMMAND: SET UP	
<u>64</u>	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	
7 <u>5</u>	$SIM\toME$	PROACTIVE SIM SESSION ENDED	

ENIVEL			SCREEN AV	
EINVEE	01 E. EV		OOKEENTR	

Logically:

Event list
Event 1:
Idle screen available

Device identities	
Source device:	- Display
Destination device:	

BER-TLV: D6 07 99 01 05 82 02 02 81

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.4.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME
Icon identifier	
Icon qualifier:	icon is not self-explanatory
Icon identifier:	<record 1="" ef="" img="" in=""></record>

Coding:

BER-TLV:	D0	<u>190D</u>	81	03	01	28	00	82	02	81	82	9E
	02	01	01									

TERMINAL RESPONSE: SET UP IDLE MODE TEXTLIST 2.4.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command data not understood by ME

Coding:

BER-TLV: 81 03	01 28	00 82	02 82	81	83	01	32
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27.22.4.22.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1A, 2, 3 and to 2.4.

27.22.4.22.3.4.1 Initial conditions

The ME is connected to both the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The following events shall have been set up in the ME.

Event List

Logically:

Event 1: Idle screen available

27.22.4.22.3.4.2 Procedure

Expected Sequence 3.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text)

Step	Direction	MESSAGE / Action	Comments
4	$USER \rightarrow ME$	Select idle screen	
2	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
3<u>1</u>	$SIM \to ME$	IDLE SCREEN AVAILABLE 3.1.1 PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 3.1.1	["Hello" in Russian]
4 <u>2</u>	$ME \rightarrow SIM$	FETCH	
5 3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
6	ME → USER	IDLE MODE TEXT 3.1.1 <mark>Display " ЗДРАВСТВУЙТЕ"</mark>	["Hello" in Russian]
<u>74</u>	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	
8 <u>5</u>	$SIM\toME$	IDLE MODE TEXT 3.1.1 PROACTIVE SIM SESSION ENDED	
<u>6</u>	$\underline{USER} \to ME$	Select idle screen	Only if idle screen not already available
<u>7</u>	$ME \rightarrow USER$	<u> Display " ЗДРАВСТВУЙТЕ"</u>	["Hello" in Russian]

ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 3.1.1

Logically:

Event list Event 1: Idle screen available Device identities Source device: Display Destination device: SIM

Coding:

BER-TLV: D6 07 99 01 05 82 02 02 81

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 3.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	UCS2 (16bit)
Text:	"ЗДРАВСТВУЙТЕ"

Coding:

BER-TLV:	D0	24	81	03	01	28	00	82	02	81	82	8D
	19	08	04	17	04	14	04	20	04	10	04	12
	04	21	04	22	04	12	04	23	04	19	04	22

04	15					

TERMINAL RESPONSE: SET UP IDLE MODE LIST_TEXT 3.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP IDLE MODE TEXT
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	28	00	82	02	82	81	83	01	00
DER TEV.	01	03	01	20	00	02	02	02	01	00	01	00

27.22.4.22.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

CHANGE REQUEST												
ж		<mark>11.10-4</mark>	CR	A037	жrev	-	ж	Current vers	ion: 8.4	.0	ж	
For <u>HELP</u> or	n us	sing this fo	rm, see	bottom of thi	is page o	r look	at th	e pop-up text	over the ¥	t sym	bols.	
Proposed change affects: UICC apps % X ME X Radio Access Network X Core Network												
Title:	ж	Essential	correcti	ons to CALL	CONTR	OL B)	<u> / SIN</u>	I test cases				
Source:	ж	T3										
Work item code.	: X	TEI						Date: ¥	20/08/20	03		
Category:	ж	Use <u>one</u> of F (cor A (cor B (ad C (fur D (ed	rection) responds dition of f actional m itorial mo planation	nodification of dification) is of the above	on in an e feature)			R97 R98 R99		se 2) 996) 997) 998) 999)))	ases:	

Reason for change: ೫	 Logical value of the Alpha Identifier is open for misinterpretation in: PROACTIVE COMMAND: SET UP CALL 1.3.1 PROACTIVE COMMAND: SET UP CALL 1.5.1
	 PROACTIVE COMMAND: SET UP CALL 1.7.1: Logical description and coding don't reflect a proactive SIM command
	• CALL CONTROL RESULT 1.7.1: Logical dialling number string is in contradtiction to value in expected sequence 1.7 and to the coding.
	Test requirement clause is missing in 27.22.6.1
	• Expected sequences 1.3, 1.5 and 1.7: Not listed which proactive command is pending. Therefore in contradictaion to the other expected sequences in TS 11.10-4.
	 Expected sequence 1.8: The ME sets up an emergency call and the network ensures that the required emergency service is used
	 Expected sequence 1.10: Check at the SS and at the SIM is needed to verify the required behaviour
Summary of change: #	Logical description of above mentioned alpha identifiers adjusted
	Data of PROACTIVE COMMAND: SET UP CALL 1.7.1 corrected
	CALL CONTROL RESULT 1.7.1: Logical description of dialling number

	 string corrected Test requirement clause inserted Editorial modifications in: 27.22.6.1.4 Expected Sequence 1.3 Expected Sequence 1.5 Expected Sequence 1.7 Expected Sequences 1.8 and 1.10: Adjusted to ensure the required behaviour Several expected sequences: Directions column adjusted to ensure that a check of the required behaviour is performed at the SS
Consequences if % not approved:	Tests can't be implemented correctly.
Clauses affected: #	27.22.6.1, 27.22.6.1.4.2
Other specs % affected:	Y N N Other core specifications # N Test specifications # N O&M Specifications •

How to create CRs using this form:

ж

Other comments:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.6.1 Procedure for Mobile Originated calls

[..]

27.22.6.1.4 method Method of tests

27.22.6.1.4.1 Initial conditions

The ME is connected to the SIM Simulator and System Simulator and has performed the location update procedure.

The GSM parameters of the system simulator are:

- Mobile Country Code (MCC) = 1;
- Mobile Network Code (MNC) = 1;
- Location Area Code (LAC) = 1;
- Cell Identity value = 1.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The call control service is allocated and activated in the SIM Service Table.

27.22.6.1.4.2 Procedure

Expected Sequence 1.1 (CALL CONTROL BY SIM , set up call attempt by user, the SIM responds with '90 00')

Step	Direction	Message / Action	Comments
1	$User\toME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \rightarrow SIM$	ENVELOPE CALL CONTROL	
		1.1.1	
3	$SIM\toME$	90 00	
4	ME SS	The ME sets up the call without	[Set up call to "+01234567890123456789"]
		modification	

[..]

Expected Sequence 1.2 (CALL CONTROL BY SIM , set up call attempt by user, allowed without modification)

Step	Direction	Message / Action	Comments
1	$User\toME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \rightarrow SIM$	ENVELOPE CALL CONTROL	
		1.2.1	
3	$SIM \rightarrow ME$	9F 02	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM\toME$	CALL CONTROL RESULT 1.2.1	[Call control result: "Allowed, no modification"]
6	ME SS	The ME sets up the call without modification	[Set up call to "+01234567890123456789"]

[..]

1

Expected Sequence 1.3 (CALL CONTROL BY SIM , set up call attempt resulting from a set up call proactive command, allowed without modification)

Step	Direction	Message / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND: SET	
		UP CALL 1.3.1 PENDING	
2	ME→SIM	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: SET	[Set up call to "+012340123456"]
		UP CALL 1.3.1	
4	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
		1.3.1	
5	$SIM\toME$	9F 02	
6	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
7	$SIM \to ME$	CALL CONTROL RESULT 1.3.1	[Call control result: "Allowed, no
			modification"]
8	$\text{ME} \rightarrow \text{SIM}$		[command performed successfully]
		CALL 1.3.1	
9	$ME \rightarrow SS$	The ME sets up the call without	[Set up call to "+012340123456"]
		modification	

PROACTIVE COMMAND: SET UP CALL 1.3.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	Only if not currently busy on another call
Device identities	
Source device:	SIM
Destination device:	Network
——————————————————————————————————————	the initial phone number ("+012340123456"-)
Address	
TON:	International
N <mark>∔</mark> P <u>I</u> :	"ISDN / telephone numbering plan"
Dialling number string	"012340123456"

Coding:

BER-TLV:	D0	21	81	03	01	10	00	82	02	81	83
	05	0D	2B	30	31	32	33	34	30	31	32
	33	34	35	36	86	07	91	10	32	04	21
	43	65									

ENVELOPE CALL CONTROL 1.3.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
Address	
TON:	International
N <mark>4P<u>I</u>:</mark>	"ISDN / telephone numbering plan" or "unknown"
Dialling number string	"012340123456"
Location Information	
MCC & MNC	the mobile country and network code (F110)

LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

BER-TLV:	D4	16	02	02	82	81	06	07	91	10	32
	04	21	43	65	13	07	00	F1	10	00	01
	00	01									

CALL CONTROL RESULT 1.3.1

Logically:

Call control result : '00' = Allowed, no modification

Coding:

BER-TLV: 00 00

TERMINAL RESPONSE: SET UP CALL 1.3.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	Only if not currently busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	10	00	82	02	82	81	83	01	00

Expected Sequence 1.4 (CALL CONTROL BY SIM, set up call attempt by user, not allowed)

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to "+01234567890123456789"	
2	$ME \rightarrow SIM$	ENVELOPE CALL CONTROL 1.4.1	
3	$SIM \rightarrow ME$	9F 02	
4	$ME\toSIM$	GET RESPONSE	
5	$SIM \rightarrow ME$	CALL CONTROL RESULT 1.4.1	[Call control result: "not Allowed"]
6	$ME \rightarrow SS$	The ME does not set up the call	

[..]

1

Expected Sequence 1.5 (CALL CONTROL BY SIM , set up call attempt resulting from a set up call proactive command, not allowed)

Step	Direction	Message / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET	
		UP CALL 1.5.1 PENDING	
2	ME→SIM	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET	[Set up call to "+012340123456"]
		UP CALL 1.5.1	
4	$ME \rightarrow SIM$	ENVELOPE CALL CONTROL	
		1.5.1	
5	$SIM \rightarrow ME$	9F 02	
6	$ME \rightarrow SIM$	GET RESPONSE	
7	$SIM \rightarrow ME$	CALL CONTROL RESULT 1.5.1	[Call control result: "Not Allowed"]
8	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	Permanent Problem - Interaction with
		CALL 1.5.1	Call Control by SIM]
9	$ME \rightarrow SS$	The ME does not set up the call	

PROACTIVE COMMAND: SET UP CALL 1.5.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	Only if not currently busy on another call
Device identities	
Source device:	SIM
Destination device:	Network
——————————————————————————————————————	the initial phone number ("+012340123456"-)
Address	
TON:	International
N I P <u>I</u> :	"ISDN / telephone numbering plan"
Dialling number string	"012340123456"

Coding:

BER-TLV:	D0	21	81	03	01	10	00	82	02	81	83
	05	0D	2B	30	31	32	33	34	30	31	32
	33	34	35	36	86	07	91	10	32	04	21
	43	65									

ENVELOPE CALL CONTROL 1.5.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
Address	
TON:	International
N I P <u>I</u> :	"ISDN / telephone numbering plan" or "unknown"
Dialling number string	"012340123456"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	16	02	02	82	81	06	07	91	10	32
	04	21	43	65	13	07	00	F1	10	00	01
	00	01									

CALL CONTROL RESULT 1.5.1

Logically:

Call control result: '01' = not Allowed

Coding:

BER-TLV:	01	00
	•	

TERMINAL RESPONSE: SET UP CALL 1.5.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	Only if not currently busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Interaction with call control by SIM or MO short message control by SIM, permanent problem
Additional information:	Action not allowed

Coding:

BER-TLV:	81	03	01	10	00	82	02	82	81	83	02	39
	01											

Expected Sequence 1.6 (CALL CONTROL BY SIM , set up call attempt by user, allowed with modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to "+01234567890123456789"	
2	$ME\toSIM$	ENVELOPE CALL CONTROL 1.6.1	
3	$SIM \rightarrow ME$	9F 07	
4	$ME\toSIM$	GET RESPONSE	
5	$SIM \rightarrow ME$	CALL CONTROL RESULT 1.6.1	[Call control result: "Allowed with modifications",-]
6	ME SS	The ME sets up the call to "+010203"	

[..]

Expected Sequence 1.7 (CALL CONTROL BY SIM, set up call attempt resulting from a set up call proactive command, allowed with modifications)

Step	Direction	Message / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND: <u>SET</u> UP CALL 1.7.1 PENDING	
2	ME→SIM	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP CALL 1.7.1	[Set up call to "+012340123456"]
4	$ME\toSIM$	ENVELOPE CALL CONTROL	
5	$SIM \rightarrow ME$	9F 0B	
6	$ME\toSIM$	GET RESPONSE	
7	$SIM\toME$	CALL CONTROL RESULT 1.7.1	[Call control result: "Allowed with modifications",]
8	$ME\toSIM$	TERMINAL RESPONSE: SET UP CALL 1.7.1	[command performed successfully]
9	ME SS	The ME sets up the call to "+011111111111"	

PROACTIVE COMMAND: SET UP CALL 1.7.1

Logically:

Command details	
Command number:	<u>1</u>
Command type:	SET UP CALL
Command qualifier:	Only if not currently busy on another call
Device identities	
Source device:	ME <u>SIM</u>
Destination device:	SIM <u>Network</u>
Alpha identifier:	<u>"+012340123456"</u>
Address	
TON:	InternNational
NIPNPI:	"ISDN / telephone numbering plan" or "unknown"
Dialling number string	"+012340123456"
Location Information	
— MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	<u>D0</u> ₽ 4	<u>21</u> 15	<u>81</u> 02	<u>03</u> 02	<u>01</u> 82	<u>10</u> 81	<u>00</u> 06	<u>82</u> 06	<u>02</u> 80	<u>81</u> FB	<u>83</u> 21
	<u>05</u> 43	<u>0D</u> 10	<u>2B</u> 32	<u>30</u> 13	<u>31</u> 07	<u>32</u> 00	<u>33</u> F1	<u>34</u> 10	<u>30</u> 00	<u>31</u> 01	<u>32</u> 00
	<u>33</u> 01	<u>34</u>	<u>35</u>	<u>36</u>	<u>86</u>	<u>07</u>	<u>91</u>	<u>10</u>	<u>32</u>	<u>04</u>	<u>21</u>
	<u>43</u>	<u>65</u>									

ENVELOPE CALL CONTROL 1.7.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
Address	
TON:	International
N <mark>4</mark> P <u>I</u> :	"ISDN / telephone numbering plan" or "unknown"
Dialling number string	"012340123456"
Location Information	

MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

BER-TLV:	D4	16	02	02	82	81	06	07	91	10	32
	04	21	43	65	13	07	00	F1	10	00	01
	00	01									

CALL CONTROL RESULT 1.7.1

Logically:

Call control result:	'02' = Allowed with modifications
Address	
TON:	National
N <mark>IPI:</mark>	"ISDN / telephone numbering plan" or "unknown"
Dialling number string	"+ <u>0111111111111012340123450</u> "

Coding:

BER-TLV:	02	0A	86	06	07	91	10	11	11	11	11
	11										

TERMINAL RESPONSE: SET UP CALL 1.7.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	Only if not currently busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
	- •

Coding:

BER-TLV: 81 03 01		02 82 81	83 01 00
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Expected Sequence 1.8 (CALL CONTROL BY SIM , set up call attempt by user, allowed with modifications: emergency call)

Step	Direction	Message / Action	Comments
1	$User\toME$	Set up a call to	
		"+01234567890123456789"	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL 1.8.1	
3	$SIM\toME$	9F 06	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM\toME$	CALL CONTROL RESULT 1.8.1	[Call control result: "Allowed with modifications",]
6	ME SS	The ME sets up <u>anthe</u> emergency call to "112";	

Expected Sequence 1.9 (CALL CONTROL BY SIM , set up call attempt by user, allowed with modifications: number in EF_{ECC})

Step	Direction	Message / Action	Comments
1	$User\toME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \rightarrow SIM$	ENVELOPE CALL CONTROL 1.9.1	
3	$SIM \rightarrow ME$	9F 06	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM \rightarrow ME$	CALL CONTROL RESULT 1.9.1	[Call control result: "Allowed with
			modifications" ,]
6	ME SS	The ME sets up call with the dialled	
		digits "1020". The ME does not set	
		up an emergency call, but sets up a	
		normal call	

<u>[..]</u>

Expected Sequence 1.10 (CALL CONTROL BY SIM, set up call attempt by user to an emergency call)

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to "112"	
2	ME <u>→ SIM</u>	The ME does not send any ENVELOPE CALL CONTROL 1.9.1, set up the emergency call	
<u>3</u>	$\underline{ME} \to \underline{SS}$	The ME sets up an emergency call	

Expected Sequence 1.11 (CALL CONTROL BY SIM , set up call through call register, the SIM responds with '90 00')

Pre-condition: the ME has a mean to register the last dialled number(s), and the ME will store dialled numbers allowed by call control in its register.

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
2	$ME\toSIM$	"+01234567890123456789" ENVELOPE CALL CONTROL 1.1.1	
3	$SIM \rightarrow ME$	90 00	
4	$ME \rightarrow SS$	The ME sets up the call without	[Set up call to "+01234567890123456789"]
5	$USER\toME$	modification End Call.	
6	$USER\toME$	Recall the last dialled number	
7	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
8	$SIM \to ME$	90 00	
9	ME SS	The ME sets up the call without modification	[Set up call to "+01234567890123456789"]
10	$USER\toME$	End Call.	

Expected Sequence 1.12 (CALL CONTROL BY SIM , set up call through call register, allowed without modification)

Pre-condition: the ME has a mean to register the last dialled number(s), and the ME will store dialled numbers allowed by call control in its register.

1

Step	Direction	Message / Action	Comments
1	$User\toME$	Set up a call to	
2	$ME \rightarrow SIM$	"+01234567890123456789" ENVELOPE CALL CONTROL	
		1.2.1	
3	$SIM \to ME$	9F 02	
4	$ME\toSIM$	GET RESPONSE	
5	$SIM \to ME$	CALL CONTROL RESULT 1.2.1	[Call control result: "Allowed, no modification"]
6	ME SS	The ME sets up the call without modification	[Set up call to "+01234567890123456789"]
7	$User\toME$	End the call then call the last dialled number	· · · · · · · · · ·
8	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
9	$SIM \to ME$	9F 02	[Call control result: "Allowed, no modification"]
10	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	[Set up call to "+01234567890123456789"]
11	$SIM\toME$	CALL CONTROL RESULT 1.2.1	

Expected Sequence 1.13 (CALL CONTROL BY SIM , set up call through call register, not allowed)

Pre-condition: the ME has a mean to register the last dialled number(s), and the ME will store dialled numbers not allowed by call control in its register.

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
2	$\text{ME} \rightarrow \text{SIM}$	"+01234567890123456789" ENVELOPE CALL CONTROL 1.4.1	
3	$SIM \rightarrow ME$	9F 02	
4	$ME\toSIM$	GET RESPONSE	
5 6 7 8	$\begin{array}{l} SIM \rightarrow ME \\ ME \underline{\rightarrow} \mathbf{SS} \\ User \rightarrow ME \\ ME \rightarrow SIM \end{array}$	CALL CONTROL RESULT 1.4.1 The ME does not set up the call The user calls the last dialled number ENVELOPE CALL CONTROL 1.4.1	[Call control result: "not Allowed"]
9	$SIM \rightarrow ME$	9F 02	
10	$ME \rightarrow SIM$	GET RESPONSE	
11 12	$SIM \rightarrow ME$ ME $\rightarrow SS$	CALL CONTROL RESULT 1.4.1 The ME does not set up the call	[Call control result: "not Allowed"]

Expected Sequence 1.14 (CALL CONTROL BY SIM , set up call through call register, allowed with modifications)

Pre-condition: the ME has a mean to register the last dialled number(s), and the ME will store dialled numbers allowed with modification in its register.

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to "+01234567890123456789"	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
3	$SIM \to ME$	9F 07	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM\toME$	CALL CONTROL RESULT 1.6.1	[Call control result: "Allowed with modifications",]
6	ME SS	The ME sets up the call to "+010203"	
7	$User \to ME$	Set up a call to "+01234567890123456789"	
8	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
9	$SIM\toME$	9F 07	
10	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
11	$SIM\toME$	CALL CONTROL RESULT 1.6.1	[Call control result: "Allowed with modifications",]
12	ME SS	The ME sets up the call to "+010203"	

27.22.6.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.14.

Marseille, France, 1922.08.2003										
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- Minor editorial corrections ("NIP" \rightarrow "NPI")
- 27.22.6.2.4.1 (initial conditions) adjusted to clarify that in expected sequence 4.4 the FDN service shall be enabled.
- Expected sequence 3.1: Adjusted to ensure the required behaviour

Consequences if # Test procedures would be incorrect and tests can't be set up correctly without a

not approved:	System Simulator.
Clauses affected:	27.22.6.3 , 27.22.6.2.4.1, 27.22.6.2.4.2, 27.22.6.4, 27.22.6.2.4.1, 27.22.6.2.4.2
Other specs affected:	Y N % N Other core specifications % N Test specifications N O&M Specifications
Other comments:	ж

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.6.3 Interaction with Fixed Dialling Number (FDN)

<u>[..]</u>

27.22.6.2.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The call control service is allocated and activated in the SIM Service Table.

Fixed Dialling Number service is enabled.

27.22.6.2.4.2 Procedure

Expected Sequence 3.1 (CALL CONTROL BY SIM , set up a call not in EFFDN)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "4321"	
2	ME <u> → SIM</u>	The ME does not send the ENVELOPE (CALL CONTROL) command to the SIM and does not set up the call.	
<u>3</u>	$\underline{ME}\to\underline{SS}$	The ME does not set up the call.	

Expected Sequence 3.2 (CALL CONTROL BY SIM , set up a call in $\mathsf{EF}_{\mathsf{FDN}}$, the SIM responds with '90 00')

Step	Direction	Message / Action	Comments
1	$User\toME$	The user sets up a call to "123"	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
		3.2.1	
3	$SIM \to ME$	90 00	
4	$ME \rightarrow SS$	The ME sets up the call without	[Set up call to "123"]
		modification	

ENVELOPE CALL CONTROL 3.2.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
Address	
	—TON Unknown
	<u>NIPNPI</u> "ISDN / telephone numbering plan"
	—Dialling number string "123"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	12	82	02	82	81	86	03	81	23	F1	13
	07	00	F1	10	00	01	00	01				

Expected Sequence 3.3 (CALL CONTROL BY SIM , set up a call in $\mathsf{EF}_{\mathsf{FDN}},$ Allowed without modifications)

Step	Direction	Message / Action	Comments
1	$User\toME$	The user sets up a call to "9876"	
2	$ME \rightarrow SIM$	ENVELOPE CALL CONTROL	
		3.3.1	
3	$SIM \rightarrow ME$	9F 02	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM \rightarrow ME$	CALL CONTROL RESULT 3.3.1	[Call control result: "Allowed without
			modifications"]
6	$ME \rightarrow SS$	The ME sets up the call without	[Set up call to "9876"]
		modification	

ENVELOPE CALL CONTROL 3.3.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
Address	
	—TON Unknown
	<u>NIPNPI</u> "ISDN / telephone numbering plan"
	—Dialling number string "9876"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	12	82	02	82	81	86	03	81	89	67	13
	07	00	F1	10	00	01	00	01				

CALL CONTROL RESPONSE 3.3.1

Logically:

Call control result Allowed, no modifications

Coding:

BER-TLV:	00	00

Expected Sequence 3.4 (CALL CONTROL BY SIM , set up a call in EF_{FDN} , Not Allowed)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "9876"	
2	$ME \to SIM$	ENVELOPE CALL CONTROL	
		3.4.1	
3	$SIM \rightarrow ME$	9F 02	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM \to ME$	CALL CONTROL RESULT 3.4.1	[Call control result: "Not Allowed"]
6	ME SS	The ME does not set up the call	

ENVELOPE CALL CONTROL 3.4.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
Address	
	—TON Unknown
	<u>NIPNPI</u> "ISDN / telephone numbering plan"
	—Dialling number string "9876"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

BER-TLV:	D4	12	82	02	82	81	86	03	81	89	67	13
	07	00	F1	10	00	01	00	01				

CALL CONTROL RESPONSE 3.4.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV: 01 00

Expected Sequence 3.5 (CALL CONTROL BY SIM , set up a call in EF_{FDN} , Allowed with modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "9876"	
2	$ME \rightarrow SIM$	ENVELOPE CALL CONTROL	
		3.5.1	
3	$SIM \rightarrow ME$	9F 07	
4	$ME \rightarrow SIM$	GET RESPONSE	
5	$SIM \rightarrow ME$	CALL CONTROL RESULT 3.5.1	[Call control result: "Allowed with
			modifications"]
6	$ME \rightarrow SS$	The ME sets up the call with data	[Set up call to "3333"]
		sent by the SIM	

ENVELOPE CALL CONTROL 3.5.1

Logically:

Device identities Source device: ME Destination device: SIM Address -TON Unknown **NIPNPI** "ISDN / telephone numbering plan" -Dialling number string "9876" Location Information MCC & MNC the mobile country and network code (F110) LAC the location Area Code (1) Cell ID Cell Identity Value (0001)

Coding:

BER-TLV:	D4	12	82	02	82	81	86	03	81	89	67	13
	07	00	F1	10	00	01	00	01				

CALL CONTROL RESPONSE 3.5.1

Logically:

Allowed with modifications
Unknown
"ISDN / telephone numbering plan"
"3333"

Coding:

BER-TLV:	02	05	86	03	81	33	33

27.22.6.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1 to 3.5.

27.22.6.4 Support of Barred Dialling Number (BDN) service

[..]

27.22.6.2.4.1 Initial conditions

The ME is connected to the SIM Simulator and the Systems Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The call control service is allocated and activated in the SIM Service Table.

Barred Dialling Number service is enabled.

Prior to the execution of expected sequence 4.4 the FDN service shall be enabled.

27.22.6.2.4.2 Procedure

Expected Sequence 4.1 (CALL CONTROL BY SIM, set up a call in EF_{BDN})

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "321"	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
		4.1.1	
3	$SIM \rightarrow ME$	9F 02	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM \to ME$	CALL CONTROL RESULT 4.1.1	[Call control result: "Not Allowed"]
6	$ME \rightarrow SS$	The ME does not set up the call	-

ENVELOPE CALL CONTROL 4.1.1

Logically:

Device	identities		
	Source device:	ME	
	Destination device:	SIM	
Addres	S		
		-TON	Unknown

<u>NIPNPI</u> "ISDN / telephone numbering plan" -Dialling number string "321"

Location Information MCC & MNC LAC Cell ID

the mobile country and network code (F110) the location Area Code (1) Cell Identity Value (0001)

Coding:

BER-TLV:	D4	12	82	02	82	81	86	03	81	23	F1	13
	07	00	F1	10	00	01	00	01				

CALL CONTROL RESPONSE 4.1.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV: 01 00

Expected Sequence 4.2 (CALL CONTROL BY SIM , set up a call not in $\mathsf{EF}_{\mathsf{BDN}}$, Allowed without modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "1234"	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
		4.2.1	
3	$SIM \rightarrow ME$	9F 02	
4	$ME\toSIM$	GET RESPONSE	
5	$SIM \to ME$	CALL CONTROL RESULT 4.2.1	[Call control result: "Allowed without modifications"]
6	ME SS	The ME sets up the call without modification	[Set up call to "1234"]

ENVELOPE CALL CONTROL 4.2.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
Address	
TON	Unknown
NIP <u>NPI</u>	"ISDN / telephone numbering plan"
Dialling number string	"1234"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	12	82	02	82	81	86	03	81	21	43	13
	07	00	F1	10	00	01	00	01				

CALL CONTROL RESPONSE 4.2.1

Call control result

Allowed, no modifications

Coding:

BER-TLV: 00 00

Expected Sequence 4.3 (CALL CONTROL BY SIM , set up a call not in EF_{BDN} , Allowed with modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "1111"	
2	$ME \to SIM$	ENVELOPE CALL CONTROL	
		4.3.1	
3	$SIM \rightarrow ME$	9F 07	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM \to ME$	CALL CONTROL RESULT 4.3.1	[Call control result: "Allowed with
			modifications"]
6	$ME \rightarrow SS$	The ME sets up the call with data	[Set up call to "2222"]
		sent by the SIM	

ENVELOPE CALL CONTROL 4.3.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
Address	
TON	Unknown
NPIIP	"ISDN / telephone numbering plan"
Dialling number string	"9876"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	12	82	02	82	81	86	03	81	11	11	13
	07	00	F1	10	00	01	00	01				

CALL CONTROL RESPONSE 4.3.1

Logically:

Call control result	Allowed with modifications
Address	
TON	Unknown
N <u>PIIP</u>	"ISDN / telephone numbering plan"
Address value	"2222"

Coding:

BER-TLV:	02	05	86	03	81	22	22

Expected Sequence 4.4 (CALL CONTROL BY SIM , FDN and BDN enabled, set up a call in $\text{EF}_{\text{FDN}},$ Allowed with modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "123"	
2	$ME \rightarrow SIM$	ENVELOPE CALL CONTROL	
		4.4.1	
3	$SIM \rightarrow ME$	9F 0A	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM \rightarrow ME$	CALL CONTROL RESULT 4.4.1	[Call control result: "Allowed with
			modifications"]
6	$ME \rightarrow SS$	The ME sets up the call with data	[Set up call to "987654321"the ME does
		sent by the SIM	not re-check this modified number
			against the FDN list]

ENVELOPE CALL CONTROL 4.4.1

Logically:

Device identities Source device: Destination device:	ME SIM
Address	
TON	Unknown
NPI	"ISDN / telephone numbering plan"
Dialling number string	"9876"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	12	82	02	82	81	86	03	81	89	67	13
	07	00	F1	10	00	01	00	01				

CALL CONTROL RESPONSE 4.4.1

Logically:

Call control result	Allowed with modifications
Address	
TON	Unknown
NPI	"ISDN / telephone numbering plan"
Address value	"987654321"

Coding:

BER-TLV:	02	08	86	06	81	89	67	45	23	F1

27.22.6.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences 4.1 to 4.4.

			•							00.5
		С	HANG	E REQ	UES	ST				CR-Form-v7
ж	11.10-	4 CR	A041	жrev	-	₩ (Current versi	ion:	<mark>8.4.0</mark>	ж
For HELP on using this form, see bottom of this page or look at the pop-up text over the X symbols.										
Proposed change affects: UICC apps#X MEX Radio Access Network Core Network										
Title: ೫	Essenti test cas		ons to langu	uage select	ion an	d br	owser termin	ation	event do	wnload
Source: #	T3									
Work item code: #	TEI						Date: ೫	20/0	8/2003	
Category: #	F (c A (c B (a C (fi D (e Detailed e	orrection) corresponds addition of functional m editorial mo	odification of dification) s of the abov	ion in an ear ^f feature)) R96 R97 R98 R99 Rel-4 Rel-5	the foli (GSM (Relea (Relea (Relea	lowing relé Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 4) ase 5)	eases:
Reason for change	e: %	 Instea event Termin termin In ste proac PRO/ indica 	EVENT E EVENT E ad of the EN) command nation) com nation. p 1 of Exper tive comma	DOWNLOA DOWNLOA IVELOPE (the ENVEl mand shal mand shal cted Seque ind is used. MMAND: S	D - LA D - LA EVEN LOPE I be us ence 1	NGU NGU T DO (EVI sed t .1 ar	tead of Netw JAGE SELE JAGE SELE OWNLOAD - ENT DOWNL to inform the n incorrect re (ENT LIST 1.	CTIO CTIO - Carc _OAD SIM a .ferend	N 1.1.1 N 1.1.2 I Reader - Browse about a b ce to the ncorrect l	er roswer required length

Summary of change: # Above listed errors corrected.

And a second s

Clauses affected: # 27.22.7.8.1.4.2, 27.22.7.9.1.3, 27.22.7.9.1.4.2

used in the logical description

Other specs affected:	Ħ	Y	N N N N	Other core specifications Test specifications O&M Specifications	ж	
Other comments:	ж					

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.7.8.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - LANGUAGE SELECTION)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[set up event list: language selection]
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[command performed successfully]
		EVENT LIST 1.1.1	
3	$USER \to ME$	Change the language to German.	
4	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE: LANGUAGE	
		SELECTION 1.1.1	
5	$USER \to ME$	Change the language to English	
6	$ME\toSIM$	ENVELOPE: LANGUAGE	check if an envelope Event Download-
		SELECTION 1.1.2	language selection is sending again to the
			SIM (this event is continuously reported)

[..]

EVENT DOWNLOAD - LANGUAGE SELECTION 1.1.1

Logically:

Event list	Language selection
Device identities	
Source device:	ME
Destination device:	SIM
Language	
Language	'de'→64 65 (German)

Coding:

BER-TLV:	D6	0B	19	01	07	82	02	<mark>83<u>82</u></mark>	81	2D	02	64
	65											

EVENT DOWNLOAD - LANGUAGE SELECTION 1.1.2

Logically:

Event list	Language selection
Device identities	
Source device:	ME
Destination device:	SIM
Language	
Language	'en'→6 <u>5</u> 4 6 <u>E</u> 5 (German<u>English</u>)

Coding:

BER-TLV:	D6	0B	19	01	07	82	02	<mark>83<u>82</u></mark>	81	2D	02	65
	6E											

27.22.7.9.1.3 Test purpose

To verify that the ME informs the SIM of an Event: Browser termination using the ENVELOPE (EVENT DOWNLOAD - Card Reader StatusBrowser Termination) command.

This test applies for MEs which have a browser.

27.22.7.9.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - Browser termination)

Step	Direction	Message / Action	Behaviour
1	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		EVENT LIST 1.1.1 PENDING	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP	[EVENT: Browser termination Status]
		EVENT LIST 1.1.1	
4	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	[Successfully]
		EVENT LIST 1.1.1	
5	User→ME	Launch the browser, go to an	
		URL, then stop the session and	
		the browser.	
6	$ME \rightarrow SIM$	ENVELOPE: BROWSER	
		TERMINATION 1.1.1	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

1
SET UP EVENT LIST
'00'
SIM
ME
Browser termination

Coding:

BER-TLV:	D0	0 <u>00</u> <u>C</u>	81	03	01	05	00	82	02	81	82
	99	01	08								

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	'00'
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	05	00	82	02	82	81	83	01	00

ENVELOPE: EVENT DOWNLOAD BROWSER TERMINATION 1.1.1

Logically:

Event list

Browser termination
ME
SIM
User termination

BER-TLV:	D6	0A	99	01	08	82	02	82	81	B4	01	00

-	,			-							CR-Form-v7
			С	HANG	E REQ	UE	ST				
æ	11.1	1 <mark>0-4</mark>	CR	A054	жrev	-	ж	Current vers	sion:	8.4.0	ж
For <u>HELP</u> on u	ısing t	his for	m, see l	oottom of th	is page or	look a	at the	e pop-up tex	t over	the ¥ syr	nbols.
Proposed change	affect	t s: l	JICC ap	ps # X	MEX	Rad	io Ad	ccess Netwo	rk	Core Ne	etwork
Title: ೫			correction test cas		Call, Call co	onnec	ted a	and Call disc	onnea	cted event	
Source: ೫	T3 -	– TS 1	1.10-4 s	splinter grou	р						
Work item code: %	TEI							Date: #	<mark>20/</mark>	08/2003	
Category: ₩	Detai	F (corr A (corr B (add C (fun D (edi iled exp	rection) responds lition of fe ctional m torial mod	odification of dification) s of the abov	on in an ea feature)		lease	Release: ¥ Use <u>one</u> of 2 (e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the fo (GSN (Rele (Rele (Rele (Rele (Rele	-	eases:
Reason for change	9: %	•	Subac incorr EVEN Versio EVEN Codec Expec Up Ca Logica UP Ca Incorr DISCO	ddress TLV ect. IT DOWNLO in with an in IT DOWNLO d source de cted Sequer all test case: al description ALL 2.1.1 m ect length in ONNECTED cted Sequer	too much. DAD - CAL correct De DAD - CAL vice in cor nce 2.1: Te s) on of alpha ight lead t ndicated in D 1.1.4A an nce 1.1 (EV	There L DIS evice I L DIS ntradic est pro identi o misi EVEI nd 1.1 VENT	CON dent CON trion ocedu	OWNLOAD WNLOAD -C exist and has	of the .1.2 e ng has .1.3, 1 lue on ins VE CO - CAI	BER-TLV xists twice s to be de I.1.4A and sufficient (OMMAND _L	is also e. That leted. d 1.1.4B: s.a. Set s.a. Set SET ECTED):

Summary of change:
[™] Above listed errors corrected and minor editorial changes ("NIP" → "NPI")

Consequences if **#** MEs will fail incorrect tests.

not approved:	
Clauses affected:	% 27.22.7.1.1.4.2, 27.22.7.2.2.4.2, 27.22.7.3.1.4.2
Other specs affected:	Y N % N Other core specifications % N Test specifications N O&M Specifications
Other comments:	X

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.

27.22.7.1.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -MT Call event)

Step	Direction	Message / Action	Behaviour
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: SET UP	
		EVENT LIST 1.1.1	
4	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	
_		EVENT LIST 1.1.1	
5	$SS \rightarrow ME$	CALL SET UP without CLI	[MT Call Set Up Without CLI]
6	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
_		- MT Call 1.1.1	
7	$SS \rightarrow ME$	CALL DISCONNECT	
8	$SS \rightarrow ME$	CALL SET UP with CLI	[MT Call Set Up With CLI]
9	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		- MT Call 1.1.2	
10	$SS \rightarrow ME$	CALL DISCONNECT	
11	$SS \rightarrow ME$	CALL SET UP with CLI and sub-	[MT Call Set Up with CLI and sub-address]
		address	
12	$ME \rightarrow SIM$	ENVELOPE: EVENT DOWNLOAD	
		- MT Call 1.1.3	
13	$SS \rightarrow ME$	CALL DISCONNECT	

[..]

EVENT DOWNLOAD - MT CALL 1.1.2

Logically:

Event list:	MT call event
Device identities	
Source device:	Network
Destination device:	SIM
Transaction identifier:	
Ti value:	0 (bit 5-7)
Ti flag:	0 (bit 8)
Address:	
TON	Unknown
NIP <u>NPI</u>	"ISDN / telephone numbering plan"
Dialling number string	"9876"

Coding:

BER-TLV:	D6	0F	19	01	00	82	02	83	81	1C	01	00
	86	03	90	89	67							

EVENT DOWNLOAD - MT CALL 1.1.3

Event list:	MT call event
Device identities	
Source device:	Network
Destination device:	SIM
Transaction identifier:	
Ti value:	0 (bit 5-7)

Ti flag:	0 (bit 8)
Address :	
TON	Unknown
NIPNPI	"ISDN / telephone numbering plan"
Dialling number string	"9876"
Called party subaddress	
Type of subaddress:	NSAP (X.213 / ISO 8348 AD2)
Odd / even indicator:	even number of address signals
Subaddress information:	AFI, 95, 95, 95, 95, 95

BER-TLV:	D6	19<u>18</u>	19	01	00	82	02	83	81	1C	01	00
	86	03	91	89	67	88	<u>07</u> 88	<u>80</u> 07	<u>50</u> 80	<u>95</u> 50	95	95
	95	95	95									

[..]

27.22.7.2.2.4.2 Procedure

Expected Sequence 2.1 (EVENT DOWNLOAD -CALL CONNECTED, ME supporting SET UP CALL)

Step	Direction	Message / Action	Behaviour
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING	
2	$ME \rightarrow SIM$		
3	$SIM \to ME$	PROACTIVE COMMAND: SET UP	[EVENT: Call Connected active]
		EVENT LIST 2.1.1	
4	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	
5		EVENT LIST 2.1.1 PROACTIVE COMMAND	
5		PENDING	
6	$\text{ME} \rightarrow \text{SIM}$		
7		PROACTIVE COMMAND: SET UP	ISAT Call]
		CALL 2.1.1	
8	ME	ME displays "+012340123456"	ME BEHAVIOUR: SET UP CALL
	\rightarrow USER	during the user confirmation	
		phase.	
9		Confirm call set up	
	ME		
10	$\text{ME} \rightarrow \text{SS}$		Ti=0
11		CONNECT	
12	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	
		CALL 2.1.1	
13	$ME \rightarrow SIM$	ENVELOPE: CALL CONNECTED	
		2.1.1	

PROACTIVE COMMAND: SET UP EVENT LIST 2.1.1

Command details	
Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	'00'
Device identities	
Source device:	SIM
Destination device:	ME
Event list	
Event 1:	Call Connected

BER-TLV:	D0	0C	81	03	01	05	00	82	02	81	82	99
	01	01										

TERMINAL RESPONSE: SET UP EVENT LIST 2.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	'00'
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	05	00	82	02	82	81	83	01	00

PROACTIVE COMMAND: SET UP CALL 2.1.1

Logically:

Command details	
Command numbe	r: 1
Command type:	SET UP CALL
Command qualified	er: Only if not currently busy on another call
Device identities	
Source device:	SIM
Destination device	e: Network
——————————————————————————————————————	the initial phone number ("+012340123456"-)
Address	
TON:	International
N <mark>I</mark> PI:	"ISDN / telephone numbering plan"
Dialling number s	string "012340123456"

Coding:

I

BER-TLV:	D0	21	81	03	01	10	00	82	02	81	83
	05	0D	2B	30	31	32	33	34	30	31	32
	33	34	35	36	86	07	91	10	32	04	21
	43	65									

TERMINAL RESPONSE: SET UP CALL 2.1.1

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	Only if not currently busy on another call
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

BER-TLV:	81	03	01	10	00	82	02	82	81	83	01	00

EVENT DOWNLOAD - CALL CONNECTED 2.1.1

Logically:

Event list:	Call connected
Device identities	
Source device:	Network
Destination device:	SIM
Transaction identifier:	
Ti value:	0 (bit 5-7)
Ti flag:	1 (bit 8)

Coding:

BER-TLV: D6 0A 19 01 01 82 02 83 81	1C	1C	01	80	
-------------------------------------	----	----	----	----	--

27.22.7.3.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -CALL DISCONNECTED)

Step	Direction	Message / Action	Behaviour
1		PROACTIVE COMMAND	
		PENDING	
2	$ME \rightarrow SIM$		
3		PROACTIVE COMMAND: SET UP	[EVENT: Call Disconnected active]
Ŭ		EVENT LIST 1.1.1	
4	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	
	/	EVENT LIST 1.1.1	
5	$SS \rightarrow ME$	SETUP	[incoming call] Ti=0
6	$USER \to$	Accept Call Set Up	
	ME		
7	$\text{SS} \to \text{ME}$	DISCONNECT	[MT DISCONNECT]
8	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE: CALL	
		DISCONNECTED 1.1.1	
9	$\text{SS} \to \text{ME}$	SETUP	[incoming call] Ti=0
10		Accept Call Set Up	
	ME		
11	$SS\toME$		[MT RELEASE]
12	$ME \rightarrow SIM$	ENVELOPE: CALL	
		DISCONNECTED 1.1.1	
13		SETUP	[incoming call] Ti=0
14		Accept Call Set Up	
	ME		
15		RELEASE COMPLETE	[MT RELEASE COMPLETE]
16	$ME \rightarrow SIM$	ENVELOPE: CALL	
47		DISCONNECTED 1.1.1	
17		SETUP	[incoming call] Ti=0
18		Accept Call Set Up	
19	$\begin{array}{c} ME \\ USER \rightarrow \end{array}$	End Call	
19	USER → ME	Enu Call	
20		DISCONNECT	[MO DISCONNECT]
20		ENVELOPE: CALL	
21		DISCONNECTED 1.1.2	
22 -	$SS \rightarrow MF$	DISCONNECT ACK ???	
2 <mark>23</mark>	$SS \rightarrow ME$		[incoming call] Ti=0
2 <u>3</u> 4		Accept Call Set Up	
	ME	·····	
2 <mark>45</mark>		DISCONNECT	[MT DISCONNECT + CAUSE: normal call
			clearing]
2 <mark>5</mark> 6	$\text{ME}{\rightarrow}\text{SIM}$	ENVELOPE: CALL	
		DISCONNECTED 1.1.3	
2 <mark>6</mark> 7		SETUP	Ti=0
2 <mark>78</mark>	$USER \to$	Accept Call Set Up	
	ME		
2 <mark>8</mark> 9	SS	TX POWER to XX	[RADIO LINK FAILURE]
<u>29</u> 30	$\text{ME}{\rightarrow}\text{SIM}$	ENVELOPE: CALL	
		DISCONNECTED 1.1.4A or	
		1.1. <mark>1B<u>4B</u></mark>	

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2

Logically:



BER-TLV:	D6	0A	19	01	01	82	02	83	81	1C	01	80

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2

Logically:

Event list:	Call Disconnected
Device identities	
Source device:	ME
Destination device:	SIM
Transaction identifier:	
Ti value:	0 (bit 5-7)
Ti flag:	1 (bit 8)

Coding:

BER-TLV:	D6	0A	19	01	01	82	02	82	81	1C	01	80

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.3

Logically:

Event list:	Call Disconnected
Device identities	
Source device:	Network
Destination device:	SIM
Transaction identifier:	
Ti value:	0 (bit 5-7)
Ti flag:	0 (bit 8)
Cause:	normal call clearing

Coding:

BER-TLV:	D6	0E	19	01	01	82	02	8 <mark>23</mark>	81	1C	01	00
	9A	02	60	90								

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.4A

Logically:

Event list:	Call Disconnected
Device identities	
Source device:	Network
Destination device:	SIM
Transaction identifier:	
Ti value:	0 (bit 5-7)
Ti flag:	1 (bit 8)
Cause:	radio link failure

Coding:

BER-TLV:	D6	0 <u>E0</u> <u>C</u>	19	01	01	82	02	82<u>83</u>	81	1C	01	80
	9A	00										

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.4B

Logically:

Event list:	Call Disconnected
Device identities	
Source device:	Network
Destination device:	SIM
Transaction identifier:	
Ti value:	0 (bit 5-7)
Ti flag:	0 (bit 8)
Cause:	radio link failure

Coding:

Ī	BER-TLV:	D6	0 <u>€0</u> <u>C</u>	19	01	01	82	02	<u>8283</u>	81	1C	01	00
		9A	00										

Tdoc **#***T***3***-0***3***0***68***0*

ж	11.10-4 CR A051 #rev - #	Current version: 8.4.0 [#]											
For <u>HELP</u> or	n using this form, see bottom of this page or look at	the pop-up text over the X symbols.											
Proposed chang	ne affects: UICC apps ೫ Ⅹ ME Ⅹ Radio	Access Network Core Network											
Title:	# Corrections in the REFRESH test sequences (w	ith inclusion of T3-030535's contents)											
Source:	ж <mark>Т3</mark>												
Work item code:	策 TEI	Date: ೫ 21/08/03											
Category:	 F Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier released (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>. 	Release: %R99Use oneof the following releases:2(GSM Phase 2)ase)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: #	Corrections in REFRESH 27.22.4.7
	- Sequence 1.1 to 1.6 and 2.1 to 2.3 : Correction of Device identities in Terminal
	responses TLV codes
	- Sequence 1.1 : Inclusion of missing comment "[Additional EF read]" in the
	sequence table, step 6
	- Sequence 1.4 : Correction of wrong qualifier in Terminal Response 1.4.1A
	- Sequence 14 : Inclusion of missing Terminal Response 1.4.1B
	- Sequence 1.6 : Inclusion of missing comment "[Additional EF read]" in the
	sequence table, step 11
	- Sequence 2.1 : Proactive command 2.1.1 : Indicated length of command is
	incorrect
	- Sequence 2.2 : Inclusion of missing Terminal Response 2.2.1B
	Test requirements refer to incorrect sequence numbers
Summary of change: 9	Above listed errors corrected.
Summary of change. #	Above listed errors corrected.
Consequences if #	MEs will fail incorrect tests
not approved:	
Clauses affected: #	27.22.4.7
	YN
Other specs %	Other core specifications #
affected:	Test specifications
	O&M Specifications
Other comments: %	

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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.
- 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.

27.22.4.7 REFRESH

27.22.4.7.1 **REFRESH** (normal)

27.22.4.7.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.7.1.2 Conformance requirement

The ME shall support the REFRESH command as defined in:

• 3GPP TS 11.14 [15] clause 6.1, clause 6.4.7, clause 6.6.13, clause 5.2, clause 12.6, clause 12.7 and clause 12.18.

27.22.4.7.1.3 Test purpose

To verify that the ME performs the SIM initialization and / or re-reads the contents and structure of the EFs on the SIM that have been changed and / or restarts the card session by resetting the ME, and successfully returns the result of the execution of the command in the TERMINAL RESPONSE command send to the SIM.

27.22.4.7.1.4 Method of test

27.22.4.7.1.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The elementary files for the second SIM Simulator are coded as SIM Application Toolkit default with the following exceptions.

EF_{FDN} (Fixed Dialling Numbers)

Logically:

6 5	
At least 10 records	
Record 1:	
Length of alpha identifier:	32 characters
Alpha identifier:	"ABC"
Length of BCD number:	"03"
TON and NPI:	Telephony and Unknown
Dialled number:	123
CCI:	None
Ext2:	None

Coding:	B1	B2	B3	B4	 B32	B33	B34	B35	B36	B37	 B46
Record 1:	41	42	43	FF	 FF	03	81	21	F3	FF	 FF

Record 2:	
Length of alpha identifier:	32 characters
Alpha identifier:	"DEF"
Length of BCD number:	"04"
TON and NPI:	Telephony and Unknown
Dialled number:	9876
CCI:	None
Ext2:	None

Coding:	B1	B2	B3	B4	 B32	B33	B34	B35	B36	B37	 B46
Record 1:	44	45	46	FF	 FF	03	81	89	67	FF	 FF

27.22.4.7.1.4.2 Procedure

Expected Sequence 1.1 (REFRESH, SIM Initialization)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: REFRESH 1.1.1	
2	$ME\toSIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: REFRESH 1.1.1	
4	SIM	Invalidate EF IMSI, EF LOCI and EF ADN	[Restricted dialling feature is enabled]
5	$\text{ME} \rightarrow \text{SIM}$	SIM Initialization	[ME performs SIM initialization]
6	$ME\toSIM$	TERMINAL RESPONSE: REFRESH 1.1.1A Or	
		TERMINAL RESPONSE: REFRESH 1.1.1B	[additional EFs read]
7	$SIM\toME$	PROACTIVE SIM SESSION ENDED	
8	$USER\toME$	Call setup to "321"	
9	$\text{ME} \rightarrow \text{USER}$	Call set up not allowed	
10	$USER\toME$	Call setup to "123"	
11	$ME\toSS$	Setup	Called party BCD number shall be "123"

PROACTIVE COMMAND: REFRESH 1.1.1

Logically:

8 9 9	
Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization
Device identities	
Source device:	SIM
Destination device:	ME

Coding:

BER-TLV: D0 09 81 03 01 01 03	03 82 02 81 82	

TERMINAL RESPONSE: REFRESH 1.1.1A

Logically:	
Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	01	03	82	02	81<u>82</u>	<u>81</u> 82	83	01	00

TERMINAL RESPONSE: REFRESH 1.1.1B

Logically:										
Command details										
Command number:	1									
Command type:	REFRESH									
Command qualifier:	SIM Initialization									
Device identities										
Source device:	ME									
Destination device:	SIM									
Result										
General Result:	REFRESH performed with additional EFs read									
Coding:										
BER-TLV: 81 03 0'	1 01 03 82 02 <u>82<mark>84</mark> 81</u> 82 83 01 03									
BER-TLV: 81 03 0'	1 01 03 82 02 <u>82</u> 84 <u>81</u> 82 83 01 03									

Expected Sequence 1.2 (REFRESH, File Change Notification)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: REFRESH 1.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: REFRESH 1.2.1	
4	SIM	Invalidate EF IMSI, EF LOCI and EF ADN	[Restricted dialling feature is enabled]
5	SIM	Update EF FDN RECORD 1	[EF FDN record 1 updated to contain the dialling string "0123456789"]
6	$\text{ME} \rightarrow \text{SIM}$	READ RECORD: EF FDN	
7	$ME\toSIM$	TERMINAL RESPONSE: REFRESH 1.2.1A Or	[normal ending]
		TERMINAL RESPONSE: REFRESH 1.2.1B	[additional EFs read]
8	$SIM\toME$	PROACTIVE SIM SESSION	
9	$USER\toME$	Call setup to "123"	
10		Call set up not allowed	
11		Call setup to "0123456789"	
12	$ME\toSS$	Setup	Called party BCD number shall be "0123456789"

PROACTIVE COMMAND: REFRESH 1.2.1

Logically:

I

Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	File Change Notification
Device identities	
Source device:	SIM
Destination device:	ME
File List:	EF FDN

Coding:

BER-TLV:	D0	12	81	03	01	01	01	82	02	81	82	92
	07	01	3F	00	7F	10	6F	3B				

TERMINAL RESPONSE: REFRESH 1.2.1A

Logically:

Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	File Change Notification
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

<u> </u>	oung.												
	BER-TLV:	81	03	01	01	01	82	02	<mark>81<u>82</u></mark>	<u>81</u> 82	83	01	00

TERMINAL RESPONSE: REFRESH 1.2.1B

Logically: Command details Command number: 1 Command type: REFRESH Command qualifier: File Change Notification Device identities Source device: ME Destination device: SIM Result General Result: REFRESH performed with additional EFs read

Coding:

 BER-TLV:
 81
 03
 01
 01
 82
 02
 84.82
 82.81
 83
 01
 03

Expected Sequence 1.3 (REFRESH, SIM Initialization and File Change Notification)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: REFRESH 1.3.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: REFRESH 1.3.1	
4	SIM	Update EF PLMN	[EF PLMN to contain the PLMN code "98798" as the first PLMN code]
5	$\text{ME} \rightarrow \text{SIM}$	READ BINARY: EF PLMN	
6	$ME\toSIM$	TERMINAL RESPONSE: REFRESH 1.3.1A Or	[normal ending]
7	$SIM \to ME$	TERMINAL RESPONSE: REFRESH 1.3.1B PROACTIVE SIM SESSION ENDED	[additional EFs read]

PROACTIVE COMMAND: REFRESH 1.3.1

Logically:	
Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization and File Change Notification
Device identities	
Source device:	SIM
Destination device:	ME
File List:	EF PLMN

Coding:

BER-TLV:	D0	12	81	03	01	01	02	82	02	81	82	92
	07	01	3F	00	7F	20	6F	30				

TERMINAL RESPONSE: REFRESH 1.3.1A

Logically:	
Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization and File Change Notification
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

	1 1	BER-TLV:	81	03	01	01	02	82	02	<u>8182</u>	82 81	83	01	00
--	-----	----------	----	----	----	----	----	----	----	-------------	------------------	----	----	----

TERMINAL RESPONSE: REFRESH 1.3.1B

Logically:	
Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization and File Change Notification
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	REFRESH performed with additional EFs read
Coding:	

0												
BER-TLV:	81	03	01	01	02	82	02	81<u>82</u>	82<u>81</u>	83	01	03

Expected Sequence 1.4 (REFRESH, SIM Initialization and Full File Change Notification)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 1.4.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
	0114	REFRESH 1.4.1	ID activity of all all and the struggling and the state
4	SIM	Invalidate EF IMSI, EF LOCI and EF ADN	[Restricted dialling feature is enabled]
5	SIM	Update EF FDN	[EF FDN record 1 updated to contain the dialling string "0123456789"]
6	$\text{ME} \rightarrow \text{SIM}$	SIM Initialization	[ME performs SIM initialization]
7	$ME\toSIM$	TERMINAL RESPONSE: REFRESH 1.4.1A <u>Or</u> <u>TERMINAL RESPONSE:</u> REFRESH 1.4.1B	[additional EFs read]
8 9		PROACTIVE SIM SESSION ENDED Call setup to "321"	
10		Call set up not allowed	
11		Call setup to "0123456789"	Called a set a DOD south as shall be
12	$ME \rightarrow SS$	Setup	Called party BCD number shall be "0123456789"

PROACTIVE COMMAND: REFRESH 1.4.1A

Logically:

Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization and Full File Change Notification
Device identities	
Source device:	SIM
Destination device:	ME

Coding:

BER-TLV: D0	09	81	03	01	01	00	82	02	81	82	
-------------	----	----	----	----	----	----	----	----	----	----	--

TERMINAL RESPONSE: REFRESH 1.4.1A

Logically:																
Command deta	ails															
Comma	and nu	mber:	1	1												
Comma	Command type:					REFRESH										
Comma	and qu	alifier:	SI	SIM Initialization												
Device identiti	ies															
Source	devic	e:	Μ	ME												
Destina	tion d	levice:	SI	SIM												
Result																
General	General Result:					Command performed successfully										
Coding:																
BER-TLV:	81	03	01	01	02<u>00</u>	82	02	<mark>81<u>82</u></mark>	<mark>82</mark> 81	83	01	00				

TERMINAL RESPONSE: REFRESH 1.4.1B

Logically:										
Command details										
Command number:	1									
Command type:	REFRESH									
Command qualifier:	SIM Initia	alizatio	<u>m</u>							
Device identities										
Source device:	ME									
Destination device:	SIM									
<u>Result</u>										
General Result:	REFRESH	H perfe	ormed v	vith add	ditional	EFs re	ad			
Coding:										
BER-TLV: <u>81</u> <u>03</u> <u>0</u>	<u>1 01</u>	<u>00</u>	<u>82</u>	<u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>03</u>	

Expected Sequence 1.5 (REFRESH, SIM Reset)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 1.5.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		REFRESH 1.5.1	
4	$\text{ME} \rightarrow \text{SIM}$	GSM Termination Procedure	
5	$ME \rightarrow SIM$	GSM Activation Procedure	[At same voltage]
6	$\text{ME} \rightarrow \text{SIM}$	SIM Initialization	
7	$\text{ME} \rightarrow \text{SIM}$		[NO TERMINAL RESPONSE]

PROACTIVE COMMAND: REFRESH 1.5.1

Logically:

0 1	
Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Reset
Device identities	
Source device:	SIM
Destination device:	ME

Coding:

000	<u></u>												
BE	ER-TLV:	D0	09	81	03	01	01	04	82	02	81	82	

Step 1	Direction ME	MESSAGE / Action The ME shall be in its normal idle	Comments
1		The ME chall be in its normal idle	
			[Start a sequence to verify that the ME returns
		mode	the RP-ACK message back to the system
-			Simulator, if the SIM responds with '90 00']
2	·	SMS-PP Data Download Message	
		1.6.1	
3 1		The ME shall not display the	
		message or alert the user of a	
		short message waiting ENVELOPE: SMS-PP	
4		DOWNLOAD 1.6.1	
5		PROACTIVE COMMAND	
5	•••••=	PENDING: REFRESH 1.1.1	
6		RP-ACK	
7		FETCH	
8		PROACTIVE COMMAND:	
0	•••••	REFRESH 1.1.1	
9		Invalidate EF IMSI, EF LOCI and	[Restricted dialling feature is enabled]
Ũ	• · · · ·	EF ADN	
10		SIM Initialization	[ME performs SIM initialization]
11		TERMINAL RESPONSE:	
		REFRESH 1.1.1A	
		Or	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 1.1.1B	
12	$SIM\toME$	PROACTIVE SIM SESSION	
		ENDED	
13 l	$USER \to ME$	Call setup to "321"	
14 I		Call set up not allowed	
15 l	$USER \to ME$	Call setup to "123"	
16	$\text{ME} \rightarrow \text{SS}$	Setup	Called party BCD number shall be "123"

Expected Sequence 1.6 (REFRESH, SIM Initialization after SMS-PP data download)

SMS-PP (Data Download) Message 1.6.1

SMS 7	TPDU	
	TP-MTI	SMS-DELIVER
	TP-MMS	No more messages waiting for the MS in this SC
	TP-RP	TP-Reply-Path is not set in this SMS-DELIVER
	TP-UDHI	TP-UD field contains only the short message
	TP-SRI	A status report will not be returned to the SME
	TP-OA	
	TON	International number
	NPI	"ISDN / telephone numbering plan"
	Address value	"1234"
	TP-PID	SIM Data download
	TP-DCS	
	Coding Group	General Data Coding
	Compression	Text is uncompressed
	Message Class	Class 2 SIM Specific Message
	Alphabet	Default Alphabet
	TP-SCTS:	01/01/98 00:00:00 +0
	TP-UDL	13
	TP-UD	"Short Message"
Coding:		

BER-TLV	04	03	91	21	43	7F	12	89	10	10	00	00
	00	00	0D	53	F4	5B	4E	07	35	CB	F3	79
	F8	5C	06									

ENVELOPE: SMS-PP DOWNLOAD 1.6.1

Logically:						
SMS-PP Download						
Device identities						
Source device:	Network					
Destination device:	SIM					
Address						
TON	International number					
NPI	"ISDN / telephone numbering plan"					
Dialling number string	"112233445566778"					
SMS TPDU						
TP-MTI	SMS-DELIVER					
TP-MMS	No more messages waiting for the MS in this SC					
TP-RP	TP-Reply-Path is not set in this SMS-DELIVER					
TP-UDHI	TP-UD field contains only the short message					
TP-SRI	A status report will not be returned to the SME					
TP-OA						
TON	International number					
NPI	"ISDN / telephone numbering plan"					
Address value	"1234"					
TP-PID	SIM Data download					
TP-DCS						
Coding Group	General Data Coding					
Compression	Text is uncompressed					
Message Class	Class 2 SIM Specific Message					
Alphabet	Default Alphabet					
TP-SCTS:	01/01/98 00:00:00 +0					
TP-UDL	13					
TP-UD	"Short Message"					

Coding:

BER-TLV:	D1	2C	82	02	83	81	06	09	91	11	22	33
	44	55	66	77	F8	8B	1B	04	04	91	21	43
	7F	12	89	10	10	00	00	00	00	0D	53	F4
	5B	4E	07	35	CB	F3	79	F8	5C	06		

27.22.4.7.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.6 sequences 1, 2, 3, 4 and 5.

27.22.4.7.2 REFRESH (IMSI changing procedure)

27.22.4.7.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.7.2.2 Conformance requirement

The ME shall support the REFRESH command as defined in:

• 3GPP TS 11.14 [15] clause 6.1, clause 6.4.7, clause 6.6.13, clause 5.2, clause 12.6, clause 12.7 and clause 12.18.

Additionally the ME shall support the SIM Initialization procedure as defined in:

• 3GPP TS 11.11 [13] clause 12.2.1.

27.22.4.7.2.3 Test purpose

To verify that the ME performs the SIM initialization and / or re-reads the contents and structure of the EFs on the SIM that have been changed and / or restarts the card session by resetting the ME, and successfully returns the result of the execution of the command in the TERMINAL RESPONSE command send to the SIM.

27.22.4.7.2.4 Method of test

27.22.4.7.2.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as SIM Application Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The elementary files for the second SIM Simulator are coded as SIM Application Toolkit default with the following exceptions.

27.22.4.7.2.4.2 Procedure

Expected Sequence 2.1 (REFRESH, SIM Initialization and File Change Notification)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \to ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 2.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND:	
		REFRESH 2.1.1	
4	SIM	Update EF IMSI, EF LOCI and EF	[Update the contents of EF IMSI to
		КС	"001010123456788", EF LOCI to not updated
_			and EF KC to not valid]
5		Invoke MM Restart Procedure	
6	$ME \rightarrow SIM$	SIM INITIALIZATION	[ME performs SIM initialization; including
7			reading EF IMSI, EF LOCI and EF KC]
1	$ME \rightarrow SIM$	TERMINAL RESPONSE: REFRESH 2.1.1A	[normal]
		Or	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 2.1.1B	
8	$SIM \rightarrow MF$	PROACTIVE SIM SESSION	
5		ENDED	
9	$ME \to SS$	Location updating request (type	[Send IMSI of "001010123456788" to System
		"normal location updating")	Simulator]

PROACTIVE COMMAND: REFRESH 2.1.1

Logically:	
Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization and File Change Notification
Device identities	
Source device:	SIM
Destination device:	ME
File List	
File 1:	EF IMSI

File 2:	EF LOCI
File 3:	EF KC

- 0												
BER-TLV:	D0	20	81	03	01	01	02	82	02	81	82	92
		<u>1E</u>										
	13	03	3F	00	7F	20	6F	07	3F	00	7F	20
	6F	7E	3F	00	7F	20	6F	20				

TERMINAL RESPONSE: REFRESH 2.1.1A

Logically:

Juliy.	
Command details	
Command number:	1
Command type:	REFRESH
Command qualifier:	SIM Initialization and File Change Notification
Device identities	-
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
	± v

Coding:

I

	BER-TLV:	81	03	01	01	02	82	02	<mark>81<u>82</u></mark>	82<u>81</u>	83	01	00	
--	----------	----	----	----	----	----	----	----	--------------------------	------------------------	----	----	----	--

TERMINAL RESPONSE: REFRESH 2.1.1B

Logically:														
Command deta	Command details													
Comma	nd nu	umber:	1	1										
Comma	Command type:				REFRESH									
Comma	nd qu	alifier:	SI	SIM Initialization and File Change Notification										
Device identitie	Device identities													
Source of	devic	e:	Μ	ME										
Destinat	tion d	levice:	SI	SIM										
Result														
General	Resu	ılt:	RI	REFRESH performed with additional EFs read										
Coding:														
BER-TLV: 8	81	03	01	01	02	82	02	<mark>81<u>82</u></mark>	82<u>81</u>	83	01	03		

Expected Sequence 2.2 (REFRESH, SIM Initialization and Full File Change Notification)

Step	Direction	MESSAGE / Action	Comments
Step			Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 2.2.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		REFRESH 2.2.1	
4	SIM	Update EF IMSI	[Update the contents of EF IMSI to
			"001010123456787", -]
5	ME	Invoke MM Restart Procedure	
6	=	SIM INITIALIZATION	[ME performs SIM initialization; including
0		SIM INTALIZATION	reading EF IMSI, EF LOCI and EF KC]
7		TERMINAL RESPONSE:	[normal]
. '	$WE \rightarrow SIW$		[nonnai]
		REFRESH 2.2.1 <u>A</u>	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 2.2.1B	
8	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	
9	$ME \rightarrow SS$	IMSI ATTA <mark>∓</mark> CH	[Send IMSI of "001010123456787" to System
			Simulator]

PROACTIVE COMMAND: REFRESH 2.2.1

Command type:

Logically: Command details Command number: 1 Command type: REFRESH Command qualifier: SIM Initialization and Full File Change Notification Device identities Source device: SIM Destination device: ME Coding: BER-TLV: D0 09 81 03 01 01 00 82 02 81 82 TERMINAL RESPONSE: REFRESH 2.2.1A Logically: Command details Command number: 1 REFRESH Command type: Command qualifier: SIM Initialization and File Change Notification Device identities Source device: ME Destination device: SIM Result General Result: Command performed successfully Coding: BER-TLV: 81 03 01 01 00 82 02 81<u>82</u> 8281 83 01 00 TERMINAL RESPONSE: REFRESH 2.2.1B Logically: Command details Command number: 1

REFRESH

Con	Command qualifier:				ializatio	on and H	File Cha	ange N	otificati	ion		
Device ider	tities											
Sou	ce devic	e:	Μ	E								
Dest	ination of	device:	SI	M								
Result												
Gen	eral Resi	ult:	R	EFRES	H perfe	ormed v	vith ad	ditional	EFs re	ad		
Coding:												
BER-TLV:	<u>81</u>	<u>03</u>	<u>01</u>	<u>01</u>	<u>00</u>	<u>82</u>	<u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>03</u>

Expected Sequence 2.3 (REFRESH, SIM Reset)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 2.3.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		REFRESH 2.3.1	
4	SIM	Update EF IMSI	[Update the contents of EF IMSI to
			"001010123456786
5	$\text{ME} \rightarrow \text{SIM}$	GSM Termination Procedure	
6	$\text{ME} \rightarrow \text{SIM}$	GSM Activation Procedure	[At same voltage]
7	$ME \rightarrow SIM$	SIM Initialization	[ME performs SIM initialization; including
			reading EF IMSI, EF LOCI and EF KC]
8	$ME\toSS$	IMSI ATTA <mark>T</mark> CH	[Send IMSI of "001010123456786" to System
			Simulator]

PROACTIVE COMMAND: REFRESH 2.3.1

Logically:

••••						
Command details						
Command number:	1					
Command type:	REFRESH					
Command qualifier:	SIM Reset					
Device identities						
Source device:	SIM					
Destination device:	ME					

Coding:

BER-TLV: D0 09 81 03 01 01 04 82 02 81 82										
	BE	D0	09	03	01	01	04		81	82

27.22.4.7.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences $\frac{1}{2.3}$.

CHANGE REQUEST								CR-Form-v7	
¥	11.10-4	CR	A052	жrev	-	ж	Current vers	ion: 8.4 .	. 0 ^ж
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.									
Proposed chang	e affects:	UICC app	os # X	ME X	Rad	lio A	ccess Networ	k Core	e Network
Title:	% Essentia	l correctio	ons to test r	<mark>equiremen</mark>	t refe	renc	es		
Source:	ж <mark>Т3</mark>								
Work item code:	ж <mark>ТЕ</mark> І						Date: ೫	21/08/200)3
Category:	F (co. A (co B (ad C (fui D (cd	rrection) rresponds Idition of fe nctional mod itorial mod iplanations	odification of lification) s of the above	on in an ear feature)		lease	2 e) R96	R99 the following (GSM Phase (Release 19 (Release 19 (Release 19 (Release 19 (Release 4) (Release 5) (Release 6)	e 2) 96) 97) 98)

Reason for change:	 Test requirement does not refer to correct sequence numbers in: 27.22.4.4.5 (More Time) 27.22.5.1.5 (SMS-PP data download) 27.22.4.16.1.5 (Set Up Event List) 27.22.4.19.1.5 (Power On Card) 27.22.4.19.2.5 (Power On Card) 27.22.4.21.1.5 (Timer Management) 27.22.4.21.2.5 ENVELOPE TIMER EXPIRATION 27.22.4.23.1.5 (Run AT Command) 27.22.4.23.2.5 (Run AT Command)
Summary of change:	# Test requirements adjusted
Consequences if not approved:	# Incomplete testing coverage
Clauses affected:	% 27.22.4.4.5, 27.22.5.1.5, 27.22.4.16.1.5, 27.22.4.19.1.5, 27.22.4.19.2.5, 27.22.4.21.1.5, 27.22.4.21.2.5, 27.22.4.23.1.5, 27.22.4.23.2.5
Other specs affected:	Y N % 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

27.22.4.16.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to, 2, 3 and 1.4.

27.22.4.19.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

27.22.4.19.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1.

27.22.4.21.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.6.

27.22.4.21.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 toand 2.2B.

27.22.4.23.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

27.22.4.23.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.5.

27.22.5.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.6.

		CHANG	BE REQ	UEST			CR-Form-v7
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Summary of change:	₩ <mark>Above I</mark>	listed errors corr	ected.				
Consequences if a solution of approved:	₩ <mark>MEs wi</mark> l	Il fail incorrect te	ests.				

Clauses affected: \$\$ 27.22.7.4.4.2, 27.22.7.5.1.4.1, 27.22.7.5.1.4.2, 27.22.7.6.1.4.2

Other specs affected:	ж	Y	Ν	Other core specifications # Test specifications O&M Specifications	£	
Other comments:	ж					

How to create CRs using this form:

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Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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.
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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.

27.22.7.4.4.2 Procedure

Expected Sequence 1.1(EVENT DOWNLOAD -LOCATION STATUS)

Step	Direction	Message / Action	BehaviourComments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: <u>SET UP EVENT LIST</u>	
		<u>1.1.1</u>	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: SET UP	
		EVENT LIST 1.1.1	
4	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	
		EVENT LIST 1.1.1	
5	SS	Cell 2 is switched on and cell 1 is	Cell 2 is switched on and cell 1 is switched off
		switched off	
6	<u>ME</u>	ME performs cell reselection to cell	ME performs cell reselection to cell 2
		2	
7	$ME \to SS$	Location Updating Request	
8	$\text{SS} \to \text{ME}$	Location updating accept	
9	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE: EVENT DOWNLOAD	[NOTE: The inclusion of the location
		- Location Status 1.1.1	information is optional: (If location status
			indicates normal status)

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	'00'
Device identities	
Source device:	SIM
Destination device:	ME
Event list	
Event 1:	Location status

Coding:

BER-TLV:	D0	0C	81	03	01	05	00	82	02	81	82	99
	01	03										

<u>[..]</u>

27.22.7.5.1.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.7.5.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -USER ACTIVITY)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[set up event list: event User Activity]
		PENDING: SET UP EVENT LIST	
		1.1 <u>.1</u>	
2	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET	[command performed successfully]
		UP EVENT LIST 1.1 <u>.1</u>	
3	$USER \rightarrow ME$	press any key	
4	$ME \rightarrow SIM$	ENVELOPE EVENT	
		DOWNLOAD -USER ACTIVITY	
		1.1 <u>.1</u>	
9 5	$USER \rightarrow ME$		check if no envelope Event Download-User
			activity sending to the SIM (this event is
			reported once)

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	<u>RFU</u>
Device identities	
Source device:	SIM
Destination device:	ME
Event list	User Activity

Coding:

BER-TLV:	D0	15 0C	81	03	01	05	00	82	02	81	82	99
	01	04										

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	<u>RFU</u>
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

I

BER-TLV:	81	03	01	05	80 00	82	02	82	81	83	01	00
	01	03	01	00	0000	0∠	02	02	01	03	01	00

EVENT DOWNLOAD -USER ACTIVITY 1.1.1

Logically:

Event list User Activity Device identities Source device: ME Destination device: SIM

Coding:

BER-TLV: D6 07 19 01 04 82 02 8382 81

27.22.7.6.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - IDLE SCREEN AVAILABLE)

Step	Direction	MESSAGE / Action	Comments
1	$USER\toME$	Select screen other than the ME	
2	$SIM\toME$	idle screen PROACTIVE COMMAND PENDING: SET UP EVENT LIST	[set up event list: idle screen available]
3	$\text{ME} \rightarrow \text{SIM}$	1.1.1 TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[command performed successfully]
4	$USER\toME$	Select ME idle screen	
5	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE: IDLE SCREEN	
		AVAILABLE 1.1.1	
6	$USER \to ME$	Select ME idle screen	check if no envelope Event Download- idle screen sending to the SIM (this event is reported once)

[..]

EVENT DOWNLOAD - IDLE SCREEN AVAILABLE 1.1.1

Logically:

Event list	User ActivityIdle screen available
Device identities	
Source device:	ME
Destination device:	SIM

Coding:

BER-TLV:	D6	07	19	01	05	82	02	83<u>82</u>	81

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#***T3-030683*

CHANGE REQUEST												CR-I	Form-v7	
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Reason for change: ¥	 The initial conditions don't reflect the connection to the System Simulator For the expected sequences 1.1 to 1.3 it is assumed that an OPEN CHANNEL proactive command has been executed successfully prior to the test. To avoid incostistencies between the data used by the SIM Simulator and the data used by System Simulator, the expected sequences need to be enhanced by the required data to execute the OPEN CHANNEL proactive command successfully. Expected sequences 1.1 and 1.3 don't refelect the interaction with the network when executing the CLOSE CHANNEL proactive command. The source device identity shall be ME in: TERMINAL RESPONSE: CLOSE CHANNEL 1.1.1 TERMINAL RESPONSE: CLOSE CHANNEL 1.2.1
	 When closing the channel the interaction with the network is not reflected in the expected sequences. The test requirement clause is missing.
Summary of change: #	 Initial conditions alouns adjusted
Summary of challye. &	Initial conditions clause adjusted
	• Expected sequences enhanced by the required data to execute the OPEN CHANNEL proactive command. The data is taken from the OPEN CHANNEL test case, expected sequence 1.1 in clause 27.22.4.27 of TS 11.10-4. The statements "For that test, it's mandatory to assume that an open channel proactive command has been successfully executed." are

	deleted.
	Above listed errors corrected and test requirement clause inserted
Consequences if not approved:	 The MEs will fail the test due to incorrect data in the Terminal Responses.
	 No test if a CLOSE CHANNEL proactive command results in an interaction with the network.
	 Possible inconsistencies between the data of the SIM Simulator and the System Simulator used in the OPEN CHANNEL proactive command might lead to not executable or failed tests because the OPEN CHANNEL proactive command can't be executed successfully.
Clauses affected:	27.22.4.28, 27.22.4.28.4.1, 27.22.4.28.4.2
Other specs	Y N N Other core specifications %

Other specs affected:	¥	Ν	Other core specifications Test specifications O&M Specifications	Æ	
Other comments:	ж				

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.

27.22.4.28 CLOSE CHANNEL

[..]

27.22.4.28.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.28.4.2 Procedure

Expected sequence 1.1 (CLOSE CHANNEL, successful)

For that test, it's mandatory to assume that an open channel proactive command has been successfully executed.

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
<u>2</u> 3	$ME \rightarrow SIM$	FETCH	
<u>3</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE COMMAND: OPEN	[Immediate link establishment, CSD, 9600bps
		CHANNEL (immediate) 1.1.1	<u>V.32]</u>
<u>4</u>	$ME \rightarrow SS$	SETUP CALL	
4 5 6	$SS \rightarrow ME$	CONNECTED	
<u>6</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.1.1	
4 <u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		1.1.1	
<u>28</u>	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3 9	$SIM \rightarrow ME$	PROACTIVE COMMAND: CLOSE	
		CHANNEL 1.1.1	
<u>10</u>	$\underline{ME} \to \underline{SS}$	DISCONNECT	[MO DISCONNECT]
4 <u>11</u>	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 1.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
NIPNPI:	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	42

Coding:

BER-TLV :	<u>D0</u>	<u>1E</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>82</u>	<u>86</u>
	<u>09</u>	<u>91</u>	<u>11</u>	<u>22</u>	<u>33</u>	<u>44</u>	<u>55</u>	<u>66</u>	77	<u>F8</u>	<u>B5</u>	<u>04</u>
	<u>01</u>	<u>07</u>	00	<u>01</u>	<u>B9</u>	<u>02</u>	<u>00</u>	<u>2A</u>				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Channel status	Channel identifier 1 and link established
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	<u>9600bps V.32</u>
Bearer service:	data circuit asynchronous
Connection element:	non-transparent
Buffer size	42

Coding:

BER-TLV :	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>00</u>
	<u>B8</u>	<u>02</u>	<u>81</u>	<u>01</u>	<u>B5</u>	<u>04</u>	<u>01</u>	<u>07</u>	<u>00</u>	<u>01</u>	<u>B9</u>	<u>02</u>
	00	<u>2A</u>										

PROACTIVE COMMAND: CLOSE CHANNEL 1.1.1

Logically:

Command details	
Command number:	1
Command type:	CLOSE CHANNEL
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Channel 1

Coding:

BER-TLV:	D0	09	81	03	01	41	00	82	02	81	21

TERMINAL RESPONSE: CLOSE CHANNEL 1.1.1

Logically:

Command details Command number:	1
Command type:	CLOSE CHANNEL
Command qualifier:	RFU
Device identities	
Source device:	Channel 1 ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

1

BER-TLV:	81	03	01	41	00	82	02	2182	81	83	01	00
DEIX IEV.	01	05	01		00	52	52	2102		00		00

Expected sequence 1.2 (CLOSE CHANNEL, with an invalid channel identifier)

For that test, it is assumed that an open channel proactive command has been successfully executed (channel 1).

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
<u>2</u>	$ME \rightarrow SIM$	FETCH	
<u>2</u> <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: OPEN	[Immediate link establishment, CSD, 9600bps
		CHANNEL (immediate) 1.1.1	V.32]
<u>4</u>	$ME \rightarrow SS$	SETUP CALL	
4 5 6	$SS \rightarrow ME$	CONNECTED	
<u>6</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
_		CHANNEL (immediate) 1.1.1	
4 <u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		1.2.1	
<u>8</u> 2	$ME \rightarrow SIM$	FETCH	
3 9	$SIM \rightarrow ME$	PROACTIVE COMMAND: CLOSE	
		CHANNEL 1.2.1	
<u>10</u> 4	$ME \rightarrow SIM$	TERMINAL RESPONSE CLOSE	[Invalid <mark>e</mark> channel number]
		CHANNEL 1.2.1	

PROACTIVE COMMAND: CLOSE CHANNEL 1.2.1

Logically:

Command details	
Command number:	1
Command type:	CLOSE CHANNEL
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Channel 2

Coding:

BER-TLV:	D0	09	81	03	01	41	00	82	02	81	22

TERMINAL RESPONSE: CLOSE CHANNEL 1.2.1

Logically:

Command details	
Command number:	1
Command type:	CLOSE CHANNEL
Command qualifier:	RFU
Device identities	
Source device:	Channel 1 <u>ME</u>
Destination device:	SIM
Result	
General Result:	Bearer Independent Protocol error
Additional Result:	Channel identifier not valid

Coding:

BER-TLV:	81	03	01	41	00	82	02	21<u>82</u>	81	83	02	3A
	03											

Expected sequence 1.3 (CLOSE CHANNEL, on an already closed channel)

For that test, it is assumed that an open channel proactive command has been successfully executed (channel 1).

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE COMMAND PENDING:	
		OPEN CHANNEL 1.1.1	
<u>2</u> <u>3</u>	$\underline{ME} \to \underline{SIM}$	<u>FETCH</u>	
<u>3</u>	$\underline{SIM} \to \underline{ME}$	PROACTIVE COMMAND: OPEN	[Immediate link establishment, CSD,
		CHANNEL (immediate) 1.1.1	<u>9600bps V.32]</u>
4		SETUP CALL	
4 5 6		CONNECTED	
<u>6</u>	$\underline{ME} \to \underline{SIM}$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
<u> 47</u>	$SIM \rightarrow ME$	CHANNEL (immediate) 1.1.1 PROACTIVE COMMAND PENDING:	
+ <u>/</u>		CLOSE CHANNEL 1.1.1	
<u>8</u> 2	$ME \rightarrow SIM$		
<u>39</u>		PROACTIVE COMMAND: CLOSE	
<u> </u>		CHANNEL 1.1.1	
<u>10</u>	$ME \rightarrow SS$	DISCONNECT	[MO DISCONNECT]
114		TERMINAL RESPONSE CLOSE	[Command performed successfully]
_		CHANNEL 1.1.1	
<u>12</u> 5	$SIM\toME$	PROACTIVE COMMAND PENDING:	
		CLOSE CHANNEL 1.3.1	
<u>13</u> 6	$ME \rightarrow SIM$		
<u>14</u> 7	$SIM \rightarrow ME$	PROACTIVE COMMAND: CLOSE	
4.50		CHANNEL 1.3.1	
<u>15</u> 8	$ME \rightarrow SIM$	TERMINAL RESPONSE CLOSE	[Channel closed]
		CHANNEL 1.3.1	

PROACTIVE COMMAND: CLOSE CHANNEL 1.3.1

Logically:

Command details	
Command number:	1
Command type:	CLOSE CHANNEL
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Channel 1

Coding:

BER-TL	.V:	D0	09	81	03	01	41	00	82	02	81	21	
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TERMINAL RESPONSE: CLOSE CHANNEL 1.3.1

Logically:

Command details	
Command number:	1
Command type:	CLOSE CHANNEL
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result: Additional Result:	Bearer Independent Protocol error Channel closed

Coding:

BER-TLV:	81	03	01	41	00	82	02	82	81	83	02	3A
	02											

27.22.4.28.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#***T3-030684*

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		F (correcti		• •				2	(GSI	M Phase 2)	
				o a correctio	on in an e	arlier re	eleas			ease 1996)	
		B (additior						R97		ease 1997)	
				lification of	feature)			R98		ease 1998)	
	_	D (editoria						R99		ease 1999)	
		ailed explan			e categor	es can		Rel-4	•	ease 4)	
	be f	ound in 3GF	PP <u>TR 2</u>	<u>21.900</u> .				Rel-5		ease 5)	
								Rel-6	(Rele	ease 6)	
										•	

Reason for change: #[H1	• These tests require a network simulator, s.a. expected sequence 1.1. Therefore the initial conditions are not sufficient, because the connection to the System Simulator is not mentioned.
	 Logical command qualifier description in contradiction to TS 11.14, cl. 12.6 in: PROACTIVE COMMAND : LAUNCH BROWSER 1.1.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.2.1 PROACTIVE COMMAND : LAUNCH BROWSER 1.2.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.2.1 PROACTIVE COMMAND : LAUNCH BROWSER 1.3.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.3.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.3.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 A TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 B TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 C PROACTIVE COMMAND : LAUNCH BROWSER 1.5.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 A TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 B TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 C PROACTIVE COMMAND : LAUNCH BROWSER 1.5.1 C PROACTIVE COMMAND : LAUNCH BROWSER 2.3.1
	 Coded Alpha Identifier in contradiction to logical value ("Devavlt URL" instead of "Default URL") in: PROACTIVE COMMAND : LAUNCH BROWSER 1.1.1 PROACTIVE COMMAND : LAUNCH BROWSER 2.1.1 PROACTIVE COMMAND : LAUNCH BROWSER 2.2.1

	 Logical value of URL is open for misinterpretation in: PROACTIVE COMMAND : LAUNCH BROWSER 1.3.1 PROACTIVE COMMAND : LAUNCH BROWSER 1.4.1 PROACTIVE COMMAND : LAUNCH BROWSER 1.5.1 PROACTIVE COMMAND : LAUNCH BROWSER 1.5.1: Wrong length indicated in Text String TLV Coded value of general result value shall be "Command performed successfully, but requested icon could not be displayed" instead of "Command performed successfully, limited service" in: TERMINAL RESPONSE : LAUNCH BROWSER 4.1.1 B TERMINAL RESPONSE : LAUNCH BROWSER 4.2.1 B PROACTIVE COMMAND : LAUNCH BROWSER 1.4.1: Wrong character used in TLV coding ("OC" instead of "0C") Test requirement clause missing in chapters: 27.22.4.26.1 27.22.4.26.3 27.22.4.26.4
Summary of change: #	Above listed errors corrected, initial conditions enhanced and test requirement clauses inserted.
Consequences if # not approved:	MEs will fail incorrect implemented tests.
Clauses affected: #	27.22.4.26.1, 27.22.4.26.1.4.1, 27.22.4.26.1.4.2, 27.22.4.26.2, 27.22.4.26.2.4.1, 27.22.4.26.2.4.2, 27.22.4.26.3, 27.22.4.26.3.4.1, 27.22.4.26.3.4.2, 27.22.4.26.4, 27.22.4.26.4.4.1, 27.22.4.26.4.4.2
Other specs ¥ affected:	Y N 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.26.1 LAUNCH BROWSER (No session already launched)

<u>[..]</u>

27.22.4.26.1.4.1 Initial Conditions

The ME is connected to the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The mobile is in idle mode.

27.22.4.26.1.4.2 Procedure

Expected Sequence 1.1 (LAUNCH BROWSER, connect to the default URL)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$SIM\toME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND : LAUNCH BROWSER 1.1.1	[connect to the default URL, "launch browser, if not already launched", no null alpha id.]
4	$\begin{array}{l} ME \rightarrow \\ USER \end{array}$	ME displays the alpha identifier	
5	$USER \rightarrow ME$	The user may have to confirm the launch browser.	[option : user confirmation]
6	$ME\toSIM$	TERMINAL RESPONSE : LAUNCH BROWSER 1.1.1	[Command performed successfully]
7	ME->SS	The ME attempts to launch the session with the default Wap parameters and the default URL.	
8	$SIM\toME$	PROACTIVE SIM SESSION ENDED	
9	USER \rightarrow	The user verifies that the default	
	ME	Wap session is properly established.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	

Logically:															
Command detail	s														
Command nu	mber:		1	1											
Command ty	pe:		LA	LAUNCH BROWSER											
Command qu	lau	nch br	owser,	if not a	lready <mark>+</mark>	ised<u>lau</u>	nched								
Device identities	Device identities														
Source device	Source device:						SIM								
Destination d	MI	Ξ													
URL			em	pty											
Alpha identifier			"D	efault	URL"										
Coding:															
BER-TLV:	BER-TLV: D0 18 00 05				01 65	15 66	00 61	82 76 7	02 6C	81 74	82 20	31 55			
52 4C								<u>5</u>							

TERMINAL RESPONSE : LAUNCH BROWSER 1.1.1

Logically:																
Co	mmand details	3														
	Command nu	mber:		1	1											
	Command typ	LA	LAUNCH BROWSER													
	Command qu		laı	launch browser, if not already usedlaunched												
De	vice identities															
	Source device	ME														
	Destination de	evice:		SL	SIM											
Re	sult															
	General Resu	lt:		Co	Command performed successfully											
Coding:																
	BER-TLV:	81	03	01	15	00	82	02	82	81	83	01	00			

Expected Sequence 1.2 (LAUNCH BROWSER, connect to the specified URL, alpha identifier length=0)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
		1.2.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND :	[connect to defined URL, "launch browser, if
		LAUNCH BROWSER 1.2.1	not already launched, alpha identifier
			length=0]
4	$ME \rightarrow$	No information should be	
	USER	displayed.	
5	$USER \rightarrow$	The user may have to confirm the	[option : user confirmation]
	ME	launch browser.	
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE :	[Command performed successfully]
		LAUNCH BROWSER 1.2.1	
7	ME->SS	The ME attempts to connect the	
		URL specified in the LAUNCH	
		BROWSER command.	
8	$SIM \rightarrow ME$		
		ENDED	

9	USER \rightarrow	The user verifies that the URL is	
		properly connected.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	

PROACTIVE COMMAND : LAUNCH BROWSER 1.2.1

Logically:															
Com	mand details														
(Command nun	nber:		1	1										
(Command type	e:		LAUNCH BROWSER											
(Command qua	lifier:		launch browser, if not already used launched											
Devi	ice identities														
S	Source device:			SIM											
Ι	Destination de	vice:		ME											
τ	URL <u>http://xxx.yyy.zzz</u> (note: this UR but it can be reached from the parameters of the mobile)														
Alpł	na identifier			emp	oty										
Coding:															
	BER-TLV:	D0 12 79	1F 68 79	81 74 79	03 74 2E	01 70 7A	15 3A 7A	00 2F 7A	82 2F 05	02 78 00	81 78	82 78	31 2E		

TERMINAL RESPONSE : LAUNCH BROWSER 1.2.1

Logic	ally:																		
	Co	mmand detail	s																
		Command nu	mber:		1	1													
	Command type:						LAUNCH BROWSER												
	Command qualifier:						launch browser, if not already used launched												
1	Device identities																		
	Source device:					ME													
		Destination d	evice:		SIM														
	Re	sult																	
		General Resu	Command performed successfully																
С	Coding:																		
	BER-TLV: 81 03 0					15	00	82	02	82	81	83	01	00					

Expected Sequence 1.3 (LAUNCH BROWSER, Browser identity, no alpha identifier)

Step	Direction	MESSAGE / Action	Comments

0	ME		[the ME is in idle mode]
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
		1.3.1	
2	$\text{ME} \rightarrow \text{SIM}$		
3	$SIM \rightarrow ME$	PROACTIVE COMMAND :	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 1.3.1	if not already launched, browser identity]
4	$ME \rightarrow$	ME may display a default	
	USER	message of its own.	
5	$USER \rightarrow$	The user may confirm the launch	[option : user confirmation]
	ME	browser.	
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE :	[Command performed successfully]
		LAUNCH BROWSER 1.3.1	
7	ME->SS	The ME attempts to connect the	
		default URL.	
8	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	
9	USER \rightarrow	The user verifies that the default	
	ME	Wap session is properly	
		established.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	

PROACTIVE COMMAND : LAUNCH BROWSER 1.3.1

Logically:													
Command	details												
Comm	and number:		1										
Comm	and type:		LA	LAUNCH BROWSER									
Comm	laı	launch browser, if not already usedlaunched											
Device ide													
Source	SI	М											
Destina	M	E											
Browser Id	dentity		de	fault									
URL			0 e	<u>mpty</u>									
Coding:													
BER-	TLV: D0	1F 0 <u>E</u>	81	03	01	15	00	82	02	81	82	30	
I	01	00	31	00									

TERMINAL RESPONSE : LAUNCH BROWSER 1.3.1

10	gic	all	v.
LO	ыc	un	y.

Logically.	
Command details	
Command number:	1
Command type:	LAUNCH BROWSER
Command qualifier:	launch browser, if not already usedlaunched
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV: 81 03 01 15 00 82 02 82 81 83	83 01	00
--	-------	----

Expected Sequence 1.4 (LAUNCH BROWSER, one bearer specified and gateway/proxy identity)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$\text{SIM} \rightarrow \text{ME}$		
		PENDING: LAUNCH BROWSER	
		1.4.1	
2	$\text{ME} \rightarrow \text{SIM}$		
3	$SIM \rightarrow ME$		[connect to the default URL, "launch browser,
		LAUNCH BROWSER 1.4.1	if not already launched, 1 bearer specified,
			gateway/proxy id specified]
4	$ME \rightarrow$	ME may display a default	
F	USER	message	[antion uppr confirmation]
5	$USER \rightarrow MF$	The user may confirm the launch browser.	[option : user confirmation]
6	$ME \rightarrow SIM$	TERMINAL RESPONSE :	[Command performed successfully]
0		LAUNCH BROWSER 1.4.1 A	
		Or	
		TERMINAL RESPONSE :	[Launch browser generic error code – bearer
		LAUNCH BROWSER 1.4.1 B	not available]
		Or	
		TERMINAL RESPONSE :	[Command performed with partial
		LAUNCH BROWSER 1.4.1 C	comprehension]
7	ME->SS	The ME attempts to connect the	
		default URL using the requested	
		bearer and proxy identity	
8	$SIM\toME$	PROACTIVE SIM SESSION	
0		ENDED	
9	USER \rightarrow	If performed successfully:	
	ME	the user verifies that the Wap session is properly established	
		with the required bearer. Then	
		he/she ends the navigation.	
		The ME returns in idle mode.	

PROACTIVE COMMAND : LAUNCH BROWSER 1.4.1

Logically:	
Command details	
Command number:	1
Command type:	LAUNCH BROWSER
Command qualifier:	launch browser, if not already used launched
Device identities	
Source device:	SIM
Destination device:	ME
URL	0 <u>empty</u>
Bearer	GPRS
Gateway/Proxy id	
DCS	unpacked, 8 bits data
Text string	abc.def.ghi (different from the default IP address)

Coding:

BER-TLV:						15 OC						
	00	52	01	05	00	<u>0C</u>	04	01	02	05	26	04
	65	66	2E	67	68							

TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 A

Logically	:														
Ċ	Command detail	s													
	Command nu	mber:		1											
	Command ty	LA	LAUNCH BROWSER												
	Command qu	alifier:		laı	unch br	owser,	if not a	lready	usedlau	nched					
Device identities															
	Source device	e:		M	E										
Destination device:					SIM										
F	Result														
	General Resu	ılt:		Co	Command performed successfully										
Coding	g:														
	BER-TLV:	81	03	01	15	00	82	02	82	81	83	01	00		

TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 B

L	ogically:														
	Comn	nand details	3												
	Command number:					1									
	Command type:					LAUNCH BROWSER									
	Co	launch browser, if not already used launched													
Device identities									•						
	So	ource device	:		M	Ξ									
	Destination device:					Λ									
	Result	t													
	Ge	eneral Resul	lt:		Launch browser generic error code										
	Ac	ditional inf	formati	on	Bearer not available										
	Coding:														
	_														
	E	BER-TLV:	81 01	03	01	15	00	82	02	82	81	83	02	26	

TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 C

Logically:														
Cor	mmand details	5												
	Command nu	mber:		1										
Command type:					LAUNCH BROWSER									
	Command qu	alifier:		launch browser, if not already used aunched										
De														
		M	Е											
	Destination de	evice:		SI	М									
Res	sult													
	General Resul	lt:		Co	ommano	d perfor	rmed su	ıccessfi	ılly, wi	th parti	al com	prehens	sion	
Coding:														
	BER-TLV:	81	03	01	15	00	82	02	82	81	83	01	01	

Expected Sequence 1.5 (LAUNCH BROWSER, several bearers specified, gateway/proxy id specified)

Step	Direction	MESSAGE / Action	Comments
0			[ME is in idle mode]
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
		1.5.1	
2	$\text{ME} \rightarrow \text{SIM}$		
3	$SIM \rightarrow ME$		[connect to the default URL, "launch browser,
		LAUNCH BROWSER 1.5.1	if not already launched, several bearers,
4	$ME \rightarrow$	ME mov display a default	gateway/proxy id specified]
4	IME → USER	ME may display a default	
5	USER →	message The user may confirm the launch	[option : user confirmation]
5	USER → ME	browser.	
6	$ME \rightarrow SIM$		[Command performed successfully]
Ŭ		LAUNCH BROWSER 1.5.1 A	
		Or	
		TERMINAL RESPONSE :	[Launch browser generic error code – bearer
		LAUNCH BROWSER 1.5.1 B	not available]
		Or	
		TERMINAL RESPONSE :	[Command performed with partial
-		LAUNCH BROWSER 1.5.1 C	comprehension]
7	ME->SS	The ME attempts to connect the default URL.	
8	$SIM \rightarrow ME$		
0		ENDED	
9	USER \rightarrow		
_	ME	the user verifies that the Wap	
		session is properly established	
		with one of the required bearers.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	

PROACTIVE COMMAND : LAUNCH BROWSER 1.5.1

3GPP TS aa.bbb vX.Y.Z (YYYY-MM)

1
LAUNCH BROWSER
launch browser, if not already usedlaunched
· · ·
SIM
ME
0 emtpy
GPRS, USSD, SMS
7 bits default alphabet
abc.def.ghi (different from the default IP address)

Coding:

BER-TLV:								82 <mark>0C<u>0</u> B</mark>		31 D8
	45	2E	9B	5D	67	74	1A	-		

TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 A

Command details	
Command number:	1
Command type:	LAUNCH BROWSER
Command qualifier:	launch browser, if not already usedlaunched
Device identities	·
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

1

BER-TLV: 81 03 01 15 00 82 02 82 81 83 01	00
---	----

TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 B

Logically:														
Co	mmand detail	s												
	Command nu	mber:		1	1									
	Command typ	pe:		LAUNCH BROWSER										
	Command qu	alifier:		lau	inch bro	owser,	if not a	lready	usedlau	inched				
De	vice identities							-						
	Source device	e:		M	ME									
	Destination d		SI	SIM										
Re	sult													
	General Resu	lt:		La	unch b	rowser	generic	error c	code					
	Additional in	formati	ion		arer no		-							
Coding:														
	BER-TLV:	81 01	03	01	15	00	82	02	82	81	83	02	26	

TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 C

Logically:														
Com	mand details	8												
С	ommand nu	mber:		1										
С	ommand typ	be:		LAUNCH BROWSER										
С	ommand qu	alifier:		launch browser, if not already usedlaunched										
Devie	ce identities													
S	ource device	e:		ME										
D	estination d	evice:		SI	М									
Resu	lt													
G	eneral Resu	lt:		Co	ommano	d perfoi	med su	iccessfi	ılly, wi	th parti	ial com	prehens	sion	
Coding:														
I	BER-TLV:	81	03	01	15	00	82	02	82	81	83	01	01	

27.22.4.26.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.5

27.22.4.26.2 LAUNCH BROWSER (Interaction with current session)

[..]

27.22.4.26.2.4.1 Initial Conditions

The ME is connected to the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to a Wap gateway is required. The default Wap parameters (IP address, gateway/proxy identity, called number ...) of the tested mobile shall be properly filled to access that gateway.

The mobile is busy in a Wap session, the user navigates in pages different from the URL defined by default in Wap parameters.

27.22.4.26.2.4.2 Procedure

Expected Sequence 2.1 (LAUNCH BROWSER, use the existing browser, connect to the default URL)

Step	Direction	MESSAGE / Action	Comments
0	ME	The user is navigating in a Wap session (not default URL).	[Browser is in use, the current session is not secured]
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND : LAUNCH BROWSER 2.1.1	[connect to the default URL, "use the existing browser", no null alpha id.]
4	$ME \rightarrow USER$	ME displays the alpha identifier	
5	$\begin{array}{c} USER \rightarrow \\ ME \end{array}$	The user confirms the launch browser.	[user confirmation]
6	$ME\toSIM$	TERMINAL RESPONSE : LAUNCH BROWSER 2.1.1	[Command performed successfully]
7	ME->SS	The ME does not close the existing session and attempts to connect the default URL.	
8	$SIM\toME$	PROACTIVE SIM SESSION ENDED	
9	USER → ME	The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL.	

PROACTIVE COMMAND : LAUNCH BROWSER 2.1.1

Logically:

Bogleany.	
Command details	
Command number:	1
Command type:	LAUNCH BROWSER
Command qualifier:	use the existing browser
Device identities	
Source device:	SIM
Destination device:	ME
URL	empty
Alpha identifier	"Default URL"

Coding:

BER-TLV:	D0 00	-	-	 -	-	-	82 76 7	-	-	-	-	
	52	4C					<u>5</u>					

TERMINAL RESPONSE : LAUNCH BROWSER 2.1.1

Logically:

Command details												
Command number:		1										
Command type:		LAUNCH BROWSER										
Command qualifier:		use the existing browser										
Device identities												
Source device:		M	E									
Destination device:		SIM										
Result												
General Result:		Co	omman	d perfoi	med su	iccessfi	ılly					
Coding:												
BER-TLV: 81	03	01	15	02	82	02	82	81	83	01	00	

Expected Sequence 2.2 (LAUNCH BROWSER, close the existing browser session and launch new browser session, connect to the default URL)

Step	Direction	MESSAGE / Action	Comments
0	ME	The user is navigating in a Wap session (not default URL)	[Browser is in use, the current session is not secured]
1	$SIM\toME$		ocourcuj
2	$ME \rightarrow SIM$	FETCH	
3		PROACTIVE COMMAND : LAUNCH BROWSER 2.2.1	[connect to the default URL, "close the existing browser session and launch new browser session", no null alpha id.]
4	$\begin{array}{c} ME \rightarrow \\ USER \end{array}$	ME displays the alpha identifier	
5	$USER \rightarrow ME$	The user confirms the launch browser.	[user confirmation]
6	$ME\toSIM$	TERMINAL RESPONSE : LAUNCH BROWSER 2.2.1	[Command performed successfully]
7	ME->SS	The ME closes the existing session and attempts to launch the session with the default Wap parameters and the default URL.	
8	$SIM \to ME$	PROACTIVE SIM SESSION ENDED	
9	USER → ME	The user verifies that the default URL is connected; and the previous URL cannot be retrieved (to verify the previous session has been closed). Then he/she does not end the navigation.	

Logically:														
Cor	nmand details													
	1	1												
Command type:					LAUNCH BROWSER									
Command qualifier:					se the	existir	ng bro	owser	session	and	launch	new	browser	session
Dev	vice identities													
1	Source device	:		SIN	Л									
	Destination de	evice:		ME	3									
UR	L			em	pty									
Alp	ha identifier			"De	efault U	JRL"								
Coding:														
	BER-TLV:	D0	18	81	03	01	15	03	82	02	81	82	31	
		00	05	0B	44	65	66	61	76 7	6C	74	20	55	
									<u>5</u>					
		52	4C											

TERMINAL RESPONSE : LAUNCH BROWSER 2.2.1

Logically:														
Co	mmand details	3												
	Command nu	mber:		1										
	Command type:					LAUNCH BROWSER								
	Command qu	alifier:		clo	ose the	existing	g brows	er sessi	ion and	l launch	n new b	rowser	session	
De	evice identities													
	Source device	e:		M	Е									
	Destination de	evice:		SI	SIM									
Re	sult													
	General Resul	lt:		Co	omman	d perfor	med su	iccessfi	ılly					
Coding														
	BER-TLV:	81	03	01	15	03	82	02	82	81	83	01	00	

Expected Sequence 2.3 (LAUNCH BROWSER, if not already launched)

Step	Direction	MESSAGE / Action	Comments
0	ME	The user is navigating in a Wap	[Browser is in use, the current session is not
1	$SIM\toME$	session (not default URL) PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.3.1	secured]
2	$\text{ME} \rightarrow \text{SIM}$		
3	$SIM\toME$	PROACTIVE COMMAND : LAUNCH BROWSER 2.3.1	[connect to the default URL, "launch browser, if not already launched]
8	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE : LAUNCH BROWSER 2.3.1	[ME unable to process command – browser unavailable]
9	$SIM\toME$	PROACTIVE SIM SESSION ENDED	

10	USER \rightarrow	The user verifies that the default	
	ME	URL has not been connected.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	

PROACTIVE COMMAND : LAUNCH BROWSER 2.3.1

Logically:													
Co	ommand details	5											
	Command nu	mber:		1									
Command type:				LA	UNCH	I BRO	WSER						
Command qualifier:				lau	inch bro	owser,	if not a	lready <mark>+</mark>	ised<u>lau</u>	nched			
De	evice identities												
Source device:			SII	М									
	Destination d	evice:		MI	Ξ								
U	RL			em	pty								
Coding	:												
	BER-TLV:	D0	0С 0 <u>В</u>	81	03	01	15	00	82	02	81	82	31
		00	D										

TERMINAL RESPONSE : LAUNCH BROWSER 2.3.1

L	ogically:	1.1.4.11.											
	Command			1									
	001111	nand number	r:										
i	Comn	LAUNCH BROWSER											
Command qualifier:					launch browser, if not already used<u>launched</u>								
	Device id	entities											
Source device:					ME								
Destination device:				SI	Μ								
	Result												
	Gener	al Result:		ME unable to process commandLaunch browser generic error code									
	Additional data				Browser unavailable								
	Coding:												
	BER	-TLV: 81 02		01	15	00	82	02	82	81	83	02	26

27.22.4.26.2.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.3

27.22.4.26.3 LAUNCH BROWSER (UCS2 support)

[..]

27.22.4.26.3.4.1 Initial Conditions

The ME is connected to the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The mobile is busy in a Wap session, the user navigates in pages different from the URL defined by default in Wap parameters.

27.22.4.26.3.4.2 Procedure

Expected Sequence 3.1 (LAUNCH BROWSER, use the existing browser, connect to the default URL)

Step	Direction	MESSAGE / Action	Comments
0	ME	The user is navigating in a Wap	[Browser is in use, the current session is not
1	$SIM \to ME$	session (not default URL) PROACTIVE COMMAND PENDING: LAUNCH BROWSER 3.1.1	secured]]
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND : LAUNCH BROWSER 3.1.1	[connect to the default URL, "use the existing browser", alpha id. In UCS2]
4	$ME \rightarrow USER$	ME displays the alpha identifier "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	$\begin{array}{c} USER \rightarrow \\ ME \end{array}$	The user confirms the launch browser.	[user confirmation]
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE : LAUNCH BROWSER 3.1.1	[Command performed successfully]
7	ME->SS	The ME does not close the existing session and attempts to connect the default URL.	
8	$SIM \to ME$	PROACTIVE SIM SESSION ENDED	
9	USER → ME	The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL.	

27.22.4.26.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.26.4 LAUNCH BROWSER (icons support)

<u>[..]</u>

27.22.4.26.4.4.1 Initial Conditions

The ME is connected to the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

A valid access to 2 different Wap gateways is required:

- the default Wap parameters (IP address, gateway/proxy identity, called number, URL ...) of the tested mobile shall be properly filled to access one of the gateways ("default gateway")

With that default gateway we shall be able to access to an URL different from the default one.

- another gateway with an IP address different from the one defined in default Wap parameters.

The mobile is busy in a Wap session, the user navigates in pages different from the URL defined by default in Wap parameters.

27.22.4.26.4.4.2 Procedure

Expected Sequence 4.1A (LAUNCH BROWSER, use the existing browser, icon not self explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Browser is in use, the current session is not
		PENDING: LAUNCH BROWSER	secured]]
		4.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND :	[connect to the default URL, "use the existing
		LAUNCH BROWSER 4.1.1	browser", no null alpha id.]
4	$ME \rightarrow$	ME displays the alpha identifier	["Not self explan."]
	USER	and the icon	
5	$USER \to$	The user confirms the launch	[user confirmation]
	ME	browser.	

6	$ME\toSIM$	TERMINAL RESPONSE : LAUNCH BROWSER 4.1.1 A	[Command performed successfully]
7	ME->SS	The ME does not close the existing session and attempts to connect the default URL.	
8	$SIM \to ME$	PROACTIVE SIM SESSION ENDED	
9	USER → ME	The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL.	

<u>[..]</u>

Expected Sequence 4.1B (LAUNCH BROWSER, use the existing browser, icon not self explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 4.1.1	[Browser is in use, the current session is not secured]]
2	$\text{ME} \rightarrow \text{SIM}$		
3		PROACTIVE COMMAND : LAUNCH BROWSER 4.1.1	[connect to the default URL, "use the existing browser", no null alpha id.]
4	$\begin{array}{l} ME \rightarrow \\ USER \end{array}$	ME displays the alpha identifier Without the icon	["Not self explan."]
5	$\begin{array}{c} USER \rightarrow \\ ME \end{array}$	The user confirms the launch browser.	[user confirmation]
6	$ME\toSIM$	TERMINAL RESPONSE : LAUNCH BROWSER 4.1.1 B	[Command performed successfully but requested icon could not be displayed]
7	ME->SS	The ME does not close the existing session and attempts to connect the default URL.	
8	$SIM \to ME$	PROACTIVE SIM SESSION ENDED	
9	USER → ME	The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL.	

TERMINAL RESPONSE : LAUNCH BROWSER 4.1.1 B

Logically:													
Cor	nmand details												
	Command nun	nber:		1	1								
	Command type	e:		LAU	LAUNCH BROWSER								
	Command qua	lifier:		use the existing browser									
Dev	vice identities												
Source device:				ME									
	Destination de	vice:		SIM									
Res	sult												
	General Result	t:		Command performed successfully but requested icon could not be displayed									
Coding:					-				-				
	BER-TLV:	81	03	01	15	02	82	02	82	81	83	01	06 <u>0</u> 4

Expected Sequence 4.2A (LAUNCH BROWSER, use the existing browser, icon self explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	[Browser is in use, the current session is not secured]]
2	$\text{ME} \rightarrow \text{SIM}$	4.2.1	
3	$ME \rightarrow SIM$ SIM $\rightarrow ME$		[connect to the default URL, "use the existing
3		LAUNCH BROWSER 4.2.1	browser", alpha id. In UCS2]
4	$ME \rightarrow USER$	ME displays only the icon	["Self explan."]
5	$USER \rightarrow ME$	The user confirms the launch browser.	[user confirmation]
6	$ME\toSIM$	TERMINAL RESPONSE : LAUNCH BROWSER 4.2.1 A	[Command performed successfully]
7	ME->SS	The ME does not close the existing session and attempts to connect the default URL.	
8	$SIM \to ME$	PROACTIVE SIM SESSION	
9	USER → ME	The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL.	

[..]

Expected Sequence 4.2B (LAUNCH BROWSER, use the existing browser, icon self explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 4.2.1	[Browser is in use, the current session is not secured]]
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND : LAUNCH BROWSER 4.2.1	[connect to the default URL, "use the existing browser", alpha id. In UCS2]
4	$\begin{array}{l} ME \rightarrow \\ USER \end{array}$	ME displays only the alpha identifier	["Self explan."]

5	$USER \rightarrow ME$	The user confirms the launch browser.	[user confirmation]
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE : LAUNCH BROWSER 4.2.1 B	[Command performed successfully]
			[Command performed successfully but requested icon could not be displayed]
7	ME->SS	The ME does not close the existing session and attempts to connect the default URL.	
8	$SIM\toME$	PROACTIVE SIM SESSION	
9	USER → ME	The user verifies that the default URL is connected; and the previous URL can be retrieved. Then he/she ends the navigation with the default URL.	

TERMINAL RESPONSE : LAUNCH BROWSER 4.2.1 B

Logically:													
Cor													
	Command nun	nber:		1									
	Command type	e:		LAU	UNCH	BROW	/SER						
	Command qua	lifier:		use	the exi	sting bi	owser						
Dev	vice identities												
	Source device:			ME									
	Destination de	vice:		SIM									
Res	sult												
	General Result	t:		Com	nmand p	erforme	d succe	ssfully b	out reque	ested icc	on could	not be	displayed
Coding:													
	BER-TLV:	81	03	01	15	02	82	02	82	81	83	01	06<u>0</u> 4

27.22.4.26.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.1A to 4.2B

CHANGE REQUEST											
¥	11.10-4	4 CR	A044	жrev	-	ж	Current vers	^{ion:} 8.4.() ^ж		
For HELP on using this form, see bottom of this page or look at the pop-up text over the % symbols.											
Proposed chang	Proposed change affects: UICC apps X ME X Radio Access Network X Core Network										
Title:	# Essentia	al correction	ons to Open	Channel	test c	ases	i i i i i i i i i i i i i i i i i i i				
Source:	₩ <mark>Т3</mark>										
Work item code:	₩ TEI						Date: ೫	21/08/2003	•		
Category:	F (cc A (cc B (au C (ft D (eu Detailed e	orrection) orresponds ddition of fe Inctional m ditorial mod	odification of a dification) s of the above	on in an ea feature)		lease	2 R96 R97 R98 R99	R99 the following ro (GSM Phase 1996 (Release 1997 (Release 1997 (Release 1997 (Release 1998 (Release 4) (Release 5) (Release 6)	2) 6) 7) 3)		

Reason for change: %	•	The connection to the System Simulator is not reflected in the initial conditions.
	•	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 and 1.2.1: Abbreviation of numbering plan information is NPI, not NIP.
	•	PROACTIVE COMMAND: OPEN CHANNEL 1.2.1 and TERMINAL RESPONSE: OPEN CHANNEL 1.2.1: Coded data rate is 9600 bps (V.32). It should be 9600 bps (V.34).
	•	PROACTIVE COMMAND: OPEN CHANNEL 1.3.1 and TERMINAL RESPONSE: OPEN CHANNEL 1.3.1: Used data rate is 9600 bps (V.32). It should be 9600 bps (V.120), according to the test intention reflected in the expected sequence title
	•	PROACTIVE COMMAND: OPEN CHANNEL 1.4.1 and TERMINAL RESPONSE: OPEN CHANNEL 1.4.1: Coded data rate of 9600bps V.110 or X.31 flag stuffing shall be 47 (hex).
	•	Expected Sequence 1.95: Correct number would be 1.9.
	•	PROACTIVE COMMAND: OPEN CHANNEL 1.9.1, 1.9.2 and TERMINAL RESPONSE: OPEN CHANNEL 1.9.1: Coded data rate of 56000bps V.120 shall be 33 (hex).

	TERMINAL RESPONSE: SET UP CALL 1.10.1: Source device identity shall be ME.
	• The test requirement clause is missing in 27.22.4.27.
Summary of change: #	Above listed errors corrected and test requirement inserted.
Summary of change. m	Above listed errors corrected and test requirement inserted.
0	
Consequences if #	MEs will fail incorrect tests.
not approved:	
not approveu.	
Clauses offerede 99	
Clauses affected: #	27.22.4.27, 27.22.4.27.4.1, 27.22.4.27.4.2
	Y N
Other specs %	N Other core specifications #
Other specs %	N Other core specifications #
affected:	N Test specifications
unootou.	
	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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.27 OPEN CHANNEL

<u>[..]</u>

27.22.4.27.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.27.4.2 Procedure

Expected Sequence 1.1 (OPEN CHANNEL, immediate link establishment, CSD, 9600bps V.32)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL (immediate) 1.1.1	
4	$ME \rightarrow SS$	SETUP CALL	
5	$SS \rightarrow ME$	CONNECTED	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.1.1	· · · · · · · · · · · · · · · · · · ·

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
NIP <u>NPI</u> :	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	42

Coding:

1

BER-TLV:	D0	1E	81	03	01	40	01	82	02	81	82	86
	09	91	11	22	33	44	55	66	77	F8	B5	04
	01	07	00	01	B9	02	00	2A				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1

1

Logically:

Command details Command number:

Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel status	Channel identifier 1 and link established
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous
Connection element:	non-transparent
Buffer size	42

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	B8	02	81	01	B5	04	01	07	00	01	B9	02
	00	2A										

Expected Sequence 1.2 (OPEN CHANNEL, immediate link establishment, CSD, 9600bps V.34)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.2.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL (immediate) 1.2.1	
4	$\text{ME} \rightarrow \text{SS}$	SETUP CALL	
5	$SS \rightarrow ME$	CONNECTED	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.2.1	

PROACTIVE COMMAND: OPEN CHANNEL 1.2.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
N <mark>I</mark> PI:	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.34
Bearer service:	data circuit asynchronous UDI
Connection element	: non-transparent
Buffer size	42

Coding:

BER-TLV:	D0	1E	81	03	01	40	01	82	02	81	82	86
	09	91	11	22	33	44	55	66	77	F8	B5	04
	01	07 0	00	01	B9	02	00	2A				
		C										

TERMINAL RESPONSE: OPEN CHANNEL 1.2.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel status	Channel identifier 1 and link established
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.3 <u>4</u> 2
Bearer service:	data circuit asynchronous
Connection element:	non-transparent
Buffer size	42

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	B8	02	81	01	B5	04	01	07<u>0C</u>	00	01	B9	02
	00	2A										

Expected Sequence 1.3 (OPEN CHANNEL, immediate link establishment, CSD, 9600bps V.120)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.3.1	
2	$ME\toSIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL (immediate) 1.3.1	
4	$ME \to SS$	SETUP CALL	
5	$SS\toME$	CONNECTED	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.3.1	

PROACTIVE COMMAND: OPEN CHANNEL 1.3.1

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
NPI:	ISDN / telephone numbering plan

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Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V. 34-<u>120</u>
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	42

Coding:

1

BER-TLV:	D0	1E	81	03	01	40	01	82	02	81	82	86
	09	91	11	22	33	44	55	66	77	F8	B5	04
	01	07<u>27</u>	00	01	B9	02	00	2A				

TERMINAL RESPONSE: OPEN CHANNEL 1.3.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel status	Channel identifier 1 and link established
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V. <mark>32</mark> 120
Bearer service:	data circuit asynchronous
Connection element:	non-transparent
Buffer size	42

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	B8	02	81	01	B5	04	01	07<u>27</u>	00	01	B9	02
	00	2A										

Expected Sequence 1.4 (OPEN CHANNEL, immediate link establishment, CSD, 9600bps V.110 or X.31 flag stuffing, bearer asynchronous UDI)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.4.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL (immediate) 1.4.1	
4	$ME \rightarrow SS$	SETUP CALL	
5	$SS \rightarrow ME$	CONNECTED	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.4.1	

PROACTIVE COMMAND: OPEN CHANNEL 1.4.1

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
NPI:	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.110 or X.31 flag stuffing
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	42

BER-TLV:	D0	1E	81	03	01	40	01	82	02	81	82	86
	09	91	11	22	33	44	55	66	77	F8	B5	04
	01	<u>7147</u>	00	01	B9	02	00	2A				

TERMINAL RESPONSE: OPEN CHANNEL 1.4.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Bearer Description	
Bearer Parameter	
Data rate:	9600bps V.110 or X.31 flag stuffing
Bearer Service:	data circuit asynchronous UDI
Connection Element:	non-transparent

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	B8	02	81	01	B5	04	01	<u>7147</u>	00	01	B9	02
	00	2A										

[..]

Expected Sequence 1.95 (OPEN CHANNEL, immediate link establishment, CSD, No channel available)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.9.1	
2	$ME\toSIM$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL (immediate) 1.9.1	
4	$ME \to SS$	SETUP CALL	
5	$SS\toME$	CONNECTED	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.9.1	
7	$SIM\toME$	PROACTIVE COMMAND: OPEN	
		CHANNEL (immediate) 1.9.2	
8	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: OPEN	[Bearer independent protocol error]
		CHANNEL (immediate) 1.9.2	

PROACTIVE COMMAND: OPEN CHANNEL 1.9.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
NPI:	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	56000bps V.120
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	42

Coding:

BER-TLV:	D0	1E	81	03	01	40	01	82	02	81	82	86
	09	91	11	22	33	44	55	66	77	F8	B5	04
	01	78<u>33</u>	00	01	B9	02	00	2A				

TERMINAL RESPONSE: OPEN CHANNEL 1.9.1

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel status	Channel identifier 1 and link established
Bearer description	

CSD
56000bps V.120
data circuit asynchronous
non-transparent
42

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	B8	02	81	01	B5	04	01	78<u>33</u>	00	01	B9	02
	00	2A										

PROACTIVE COMMAND: OPEN CHANNEL 1.9.2

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
NPI:	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	56000bps V.120
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	42

Coding:

1

BER-TLV:	D0	1E	81	03	01	40	01	82	02	81	82	86
	09	91	11	22	33	44	55	66	77	F8	B5	04
	01	78<u>33</u>	00	01	B9	02	00	2A				

TERMINAL RESPONSE: OPEN CHANNEL 1.9.2

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Bearer Independent Protocol error
Additional info:	No channel available

BER-TLV:	81	03	01	40	01	82	02	82	81	83	02	ЗA
	01											

Step Direction **MESSAGE / Action** Comments 1 $\mathsf{SIM}\to\mathsf{ME}$ PROACTIVE COMMAND PENDING: SET UP CALL 1.10.1 2 $\text{ME} \rightarrow \text{SIM}$ FETCH PROACTIVE COMMAND: SET UP 3 $SIM \rightarrow ME$ CALL 1.10.1 4 ME displays "Not busy" and $\text{ME} \rightarrow \text{USER}$ prompts the user to set up a call to "+012340123456p1p2" 5 $\mathsf{USER}\to\mathsf{ME}$ The user confirms the call set up [user confirmation] 6 $\mathsf{ME}{\rightarrow}\mathsf{SS}$ The ME attempts to set up a call to "+012340123456p1p2" 7 The ME receives the CONNECT $\text{SS} \to \text{ME}$ message from the system simulator. TERMINAL RESPONSE: SET UP [Command performed successfully] 8 $ME \rightarrow SIM$ CALL 1.10.1 9 $\text{SIM} \rightarrow \text{ME}$ PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1 10 $\text{ME} \rightarrow \text{SIM}$ FETCH 11 $\mathsf{SIM}\to\mathsf{ME}$ PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1 TERMINAL RESPONSE: OPEN 12 [ME currently unable to process command] $\text{ME} \rightarrow \text{SIM}$ CHANNEL (immediate) 1.10.1

Expected Sequence 1.10 (OPEN CHANNEL, ME is busy on another call related to CSD)

PROACTIVE COMMAND: SET UP CALL 1.10.1

Logically:

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Not busy"
Address	
TON:	International
NPI:	ISDN / telephone numbering plan
Dialling number string	"012340123456p1p2"

Coding:

BER-TLV:	D0	1E	81	03	01	10	00	82	02	81	83	85
	08	4E	6F	74	20	62	75	73	79	86	09	91
	10	32	04	21	43	65	1C	2C				

TERMINAL RESPONSE: SET UP CALL 1.10.1

Command details	
Command number:	1
Command type:	SET UP CALL
Command qualifier:	only if not currently busy on another call
Device identities	
Source device:	Network-ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

BER-TLV:	81	03	01	10	00	82	02	83<u>82</u>	81	83	01	00

TERMINAL RESPONSE: OPEN CHANNEL 1.10.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	ME currently unable to process command
Additional info:	ME currently busy on call

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	02	20
	02											

27.22.4.27.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.10.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#**T3-030686

			^					ст				CR-Form-v7
	CHANGE REQUEST											
×		<mark>11.10-4</mark>	CR	A046	жrе	ev	-	ж	Current ve	rsion:	8.4.0	ж
For HELP on using this form, see bottom of this page or look at the pop-up text over the X symbols.												
Proposed change affects: UICC apps X ME X Radio Access Network X Core Network												
Title:	ж	Essential	correctio	ons to Send	Data t	test o	case	S				
Source:	ж	T3										
Work item code:	ж	TEI							Date:	<mark>೫ 20</mark>	/08/2003	
Category:	ж	Use <u>one</u> of F (corr A (cor B (add C (fun D (edi	rection) responds dition of fe ctional mo torial moo planations	odification of dification) s of the above	on in ar feature	e)			2	of the fo (GSI (Rela (Rela (Rela (Rela (Rela (Rela	99 ollowing rel M Phase 2, ease 1996, ease 1997, ease 1998, ease 1999, ease 4) ease 5) ease 6))))

Reason for change: #	• The initial conditions don't reflect the connection to the System Simulator
	• For the expected sequences it is assumed that an OPEN CHANNEL proactive command has been executed successfully prior to the test. To avoid incostistencies between the data used by the SIM Simulator and the data used by System Simulator, the expected sequences need to be enhanced by the required data to execute the OPEN CHANNEL proactive command successfully.
	Source device identity shall be ME in: TERMINAL RESPONSE: SEND DATA 1.1.1 TERMINAL RESPONSE: SEND DATA 1.2.1 TERMINAL RESPONSE: SEND DATA 1.2.2 TERMINAL RESPONSE: SEND DATA 1.2.3 TERMINAL RESPONSE: SEND DATA 1.3.1 TERMINAL RESPONSE: SEND DATA 1.3.2 TERMINAL RESPONSE: SEND DATA 1.3.3 TERMINAL RESPONSE: SEND DATA 1.3.3 TERMINAL RESPONSE: SEND DATA 1.3.4 TERMINAL RESPONSE: SEND DATA 1.3.5 TERMINAL RESPONSE: SEND DATA 1.3.1
	 Incorrect length indicated in: PROACTIVE COMMAND: SEND DATA 1.1.1 PROACTIVE COMMAND: SEND DATA 1.5.1
	 Length of BER-TLV and Channel Data TLV coded in incorrect format in: PROACTIVE COMMAND: SEND DATA 1.2.1

	 PROACTIVE COMMAND: SEND DATA 1.2.2 PROACTIVE COMMAND: SEND DATA 1.3.1 PROACTIVE COMMAND: SEND DATA 1.3.2 PROACTIVE COMMAND: SEND DATA 1.3.3 PROACTIVE COMMAND: SEND DATA 1.3.4 PROACTIVE COMMAND: SEND DATA 1.3.5 Expected sequence 1.4: Some steps are left out. Though it is obvious which messages/ actions shall be choosen, this would allow to execute anything else. PROACTIVE COMMAND: SEND DATA 1.5.1: Logical destination device identity in contradiction to coded value and test intention. Expected sequence 1.4: The display of an alpha identifier is not tested in the expected sequences for the SEND DATA tests. In this sequence an alpha identifier would help the user to recognice when proactive session has to be aborted. Therefore an alpha identifier is inserted in PROACTIVE COMMAND: SEND DATA 1.6.1. The tort requirement cloure is missing
	The test requirement clause is missing.
Summary of change: ¥	 Initial conditions clause adjusted Expected sequences enhanced by the required data to execute the OPEN CHANNEL proactive command. The data is taken from the OPEN CHANNEL test case, expected sequence 1.1 in clause 27.22.4.27 of TS 11.10-4. The buffer sized is modified to 1KB. The statements "For that test, it is assumed that an open channel proactive command has been successfully executed (with a SIM buffer size of 1 kB)." are deleted. Expected sequence 1.4: Missing data inserted Erros in TERMINAL RESPONSEs and PROACTIVE COMMANDs corrected and test requirement clause inserted
Consequences if %	 Expected sequence 1.6 enhanced to test the display of an alpha identifier and to give the user an indication when to abort the proactive session. Possible inconsistencies between the data of the SIM Simulator and the
not approved:	 Possible inconsistencies between the data of the SiM Simulator and the System Simulator used in the OPEN CHANNEL proactive command might lead to not executable or failed tests because the OPEN CHANNEL proactive command can't be executed successfully. The tests will be insufficient, incorrect and the MEs will fail them.
Clauses affected: %	27.22.4.30, 27.22.4.30.4, 27.22.4.30.4.1, 27.22.4.30.4.2
Other specs % affected:	N Other core specifications # N Test specifications # N O&M Specifications #

How to create CRs using this form:

ж

Other comments:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.30 SEND DATA

<u>[..]</u>

27.22.4.30.4 Method of test

27.22.4.30.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.30.4.2 Procedure

Expected sequence 1.1 (SEND DATA, immediate mode)

For that test, it is assumed that an open channel proactive command has been successfully executed (with a SIM buffer size of 1 kB).

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
<u>2</u>	$ME \rightarrow SIM$	FETCH	
<u>2</u> <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: OPEN	[Immediate link establishment, CSD, 9600bps
		CHANNEL (immediate) 1.1.1	V.32, 1KB buffer]
<u>4</u>	$ME \rightarrow SS$	SETUP CALL	
4 5 6	$\underline{SS \rightarrow ME}$	CONNECTED	
<u>6</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.1.1	
<u>7</u> 4	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 1.1.1	
<mark>28</mark>	$ME \rightarrow SIM$	FETCH	
<u>9</u> 3	•····	PROACTIVE COMMAND: SEND	
		DATA (immediate) 1.1.1	
4 <u>10</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 1.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

 Command details

 Command number:
 1

 Command type:
 OPEN CHANNEL

 Command qualifier:
 immediate link establishment

 Device identities
 Source device:

 Source device:
 SIM

 Destination device:
 ME

Address	
TON:	International number
NIPNPI:	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	1000

BER-TLV :	<u>D0</u>	<u>1E</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>82</u>	<u>86</u>
	<u>09</u>	<u>91</u>	<u>11</u>	<u>22</u>	<u>33</u>	<u>44</u>	<u>55</u>	<u>66</u>	<u>77</u>	<u>F8</u>	<u>B5</u>	<u>04</u>
	<u>01</u>	<u>07</u>	<u>00</u>	<u>01</u>	<u>B9</u>	<u>02</u>	<u>03</u>	<u>E8</u>				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1

Logically:

Command details	
Command number:	<u>1</u>
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel status	Channel identifier 1 and link established
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous
Connection element:	non-transparent
Buffer size	1000

Coding:

BER-TLV :	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>00</u>
	<u>B8</u>	02	<u>81</u>	<u>01</u>	<u>B5</u>	<u>04</u>	<u>01</u>	07	00	<u>01</u>	<u>B9</u>	02
	<u>03</u>	<u>E8</u>										

PROACTIVE COMMAND: SEND DATA 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Send Immediately
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data	
Channel Data:	8 Bytes of data

BER-TLV:	D0	12<u>13</u>	81	03	01	43	01	82	02	81	21	B6
	08	XX	ХХ	XX	XX	<u>xx</u>	XX	XX	XX			

TERMINAL RESPONSE: SEND DATA 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Send Immediately
Device identities	
Source device:	Channel 1 <u>ME</u>
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel data length:	8 Bytes
	1

Coding:

1

BER-TLV:	81	03	01	43	01	82	02	<u>82</u> 21	81	83	01	00
	B7	01	08									

Expected sequence 1.2 (SEND DATA, Store mode)

For that test, it is assumed that an open channel proactive command has been successfully executed (with a SIM buffer size of 1 kB).

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE COMMAND PENDING:	
		OPEN CHANNEL 1.1.1	
<u>2</u> <u>3</u>	$\underline{ME}\to \underline{SIM}$		
<u>3</u>	$\underline{SIM}\to \underline{ME}$	PROACTIVE COMMAND: OPEN	[Immediate link establishment, CSD,
		CHANNEL (immediate) 1.1.1	<u>9600bps V.32, 1KB buffer]</u>
4 5 6		SETUP CALL	
<u>5</u>			
<u>6</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.1.1	
4 <u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING:	
20		SEND DATA 1.2.1	
<u>28</u>	$ME \rightarrow SIM$		
3 9	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	Send 500 Bytes of data (200 + 200 + 100)
4 <u>10</u>		DATA (store mode) 1.2.1 TERMINAL RESPONSE: SEND	[Command performed successfully]
4 <u>10</u>		DATA (store mode) 1.2.1	
5 11	$SIM \rightarrow ME$	· · · · · · · · · · · · · · · · · · ·	
<u> </u>		SEND DATA 1.2.2	
<u>612</u>	$ME \rightarrow SIM$		
713		PROACTIVE COMMAND: SEND	
	•	DATA (store mode) 1.2.2	
8 14	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
_		DATA (store mode) 1.2.2	
9 15	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING:	
		SEND DATA 1.2.3	
10<u>16</u>	$\text{ME} \rightarrow \text{SIM}$		
<u> 41<u>17</u></u>	$SIM\toME$	PROACTIVE COMMAND: SEND	
		DATA (Immediate mode) 1.2.3	
12<u>18</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (Immediate mode) 1.2.3	

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Store mode
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data	
Channel Data :	200 Bytes of data

Coding:

BER-TLV:	D0	<u>81</u> D3	<u>D4</u> 81	03<u>81</u>	01<u>03</u>	4 <u>301</u>	00<u>43</u>	82<u>00</u>	02<u>82</u>	<u>8102</u>	21<u>81</u>	B6<u>21</u>
<u>.</u>	860 8	Xx<u>8</u> 1	<u>C8</u> **	ХХ	ХХ							

TERMINAL RESPONSE: SEND DATA 1.2.1

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Store mode
Device identities	
Source device:	Channel 1 <u>ME</u>
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel data length:	More than 255 bytes of space available in the Tx buffer

Coding:

BER-TLV:	81	03	01	43	00	82	02	21<u>82</u>	81	83	01	00
	B7	01	FF									

PROACTIVE COMMAND: SEND DATA 1.2.2

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Store mode
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data	
Channel Data :	200 Bytes of data

BER-TLV:	D0	81 D3	<u>D4</u> 81	<u>81</u> 03	<u>03</u> 01	<u>01</u> 43	<u>43</u> 00	<u>00</u> 82	<u>82</u> 02	<u>02</u> 81	<u>81</u> 21	<u>21</u> B6
	8 8	<u>81</u> **	<u>C8</u> **	xx	xx							

TERMINAL RESPONSE: SEND DATA 1.2.2

Logically:

Comr	nand details	
	Command number:	1
	Command type:	SEND DATA
	Command qualifier:	Store mode
Devic	e identities	
	Source device:	Channel 1 ME
	Destination device:	SIM
Resul	t	
	General Result:	Command performed successfully
	Channel data length:	More than 255 bytes of space available in the Tx buffer
Codina		

Coding:

BER-TLV:	81	03	01	43	00	82	02	21<u>82</u>	81	83	01	00
	B7	01	FF									

PROACTIVE COMMAND: SEND DATA 1.2.3

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Immediate mode
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data	
Channel Data :	100 Bytes of data

Coding:

BER-TLV:	D0	6F	81	03	01	43	01	82	02	81	21	B6
	64	XX	XX	XX	XX							

TERMINAL RESPONSE: SEND DATA 1.2.3

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Immediate mode
Device identities	
Source device:	Channel 1-ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel data length:	More than 255 bytes of space available in the Tx buffer

Coding:

BER-TLV:	81	03	01	43	01	82	02	21<u>82</u>	81	83	01	00
	B7	01	FF									

Expected sequence 1.3 (SEND DATA, Store mode, Tx buffer fully used)

For that test, it is assumed that an open channel proactive command has been successfully executed (with a SIM buffer size of 1 kB).

Γ	Step	Direction	MESSAGE / Action	Comments
	1	$\underline{SIM}\to ME$	PROACTIVE COMMAND PENDING: OPEN	
			CHANNEL 1.1.1	
	<u>2</u> <u>3</u>	$\underline{ME}\to \underline{SIM}$	FETCH	
	<u>3</u>	$\underline{SIM}\to \underline{ME}$	PROACTIVE COMMAND: OPEN CHANNEL	[Immediate link establishment, CSD, 9600bps
			(immediate) 1.1.1	V.32, 1KB buffer]
	<u>4</u> 5	$\underline{ME} \to \underline{SS}$	SETUP CALL	
	5	$\underline{SS \to ME}$		
	<u>6</u>	$\underline{ME}\to\underline{SIM}$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
	17		(immediate) 1.1.1 PROACTIVE COMMAND PENDING: SEND	
	4 <u>7</u>	$SIM\toME$	DATA 1.3.1	
	2 8	$\text{ME} \rightarrow \text{SIM}$		
	3 <u>9</u>		PROACTIVE COMMAND: SEND DATA (store	Send 1kByte of data by packet of 200 Bytes
	<u>0</u>		mode) 1.3.1	Send TRESTE OF data by packet of 200 Bytes
	410	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND DATA (store	[Command performed successfully]
	. <u></u>		mode) 1.3.1	
	<u>511</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
			DATA 1.3.2	
	<u>612</u>	$\text{ME} \rightarrow \text{SIM}$	FETCH	
	7<u>13</u>	$SIM\toME$	PROACTIVE COMMAND: SEND DATA (store	[200 Bytes]
			mode) 1.3.2	
	8 <u>14</u>	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND DATA (store	[Command performed successfully]
			mode) 1.3.2	
	9<u>15</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
	4040		DATA 1.3.3	
	10<u>16</u>	$ME \rightarrow SIM$		
	<u> 1117</u>	$SIM\toME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3	[200 Bytes]
	12<u>18</u>	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND DATA (store	[Command performed successfully]
	T <u>210</u>	$\mathbb{N} = \mathcal{S} = \mathbb{N}$	mode) 1.3.3	
	13<u>19</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
	.0 <u>.10</u>		DATA 1.3.4	
	<u> 1420</u>	$ME \rightarrow SIM$		
	15 21	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND DATA (store	[200 Bytes]
			mode) 1.3.4	
	16<u>22</u>	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND DATA (store	[Command performed successfully]
			mode) 1.3.4	
	17<u>23</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
			DATA 1.3.5	
	18<u>24</u>		FETCH	
	19<u>25</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
	2026			
	20<u>26</u>	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
L			(immediate) 1.3.5	

PROACTIVE COMMAND: SEND DATA 1.3.1

1
SEND DATA
Store mode
SIM
Channel 1
200 Bytes of data

BER-TLV:	D0	81 D3	<u>D4</u> 81	<u>81</u> 03	<u>03</u> 01	<u>01</u> 4 3	<u>43</u> 00	<u>00</u> 82	<u>82</u> 02	<u>02</u> 81	<u>81</u> 21	<u>21</u> 86
<u> </u>	<u>В6</u> С 8	<u>81</u> ××	<u>C8</u> ××	ХХ	ХХ							

TERMINAL RESPONSE: SEND DATA 1.3.1

Logically:

Command details		
Command num	nber: 1	
Command type	e: SEND D	ATA
Command qua	lifier: Store mo	de
Device identities		
Source device:	Channel	1 <u>ME</u>
Destination dev	vice: SIM	
Result		
General Result	: Comman	d performed successfully
Channel data le	ength: More that	n 255 bytes of space available in the Tx buffer

Coding:

BER-TLV:	81	03	01	43	00	82	02	21<u>82</u>	81	83	01	00
	B7	01	FF									

PROACTIVE COMMAND: SEND DATA 1.3.2

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Store mode
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data	
Channel Data :	200 Bytes of data

Coding:

BER-TLV:	D0	<u>81</u> D3	<u>D4</u> 81	<u>81</u> 03	<u>03</u> 01	<u>01</u> 4 3	<u>43</u> 00	<u>00</u> 82	<u>82</u> 02	<u>02</u> 81	<u>81</u> 21	<u>21</u> 86
	<u>B6</u> € ₿	<u>81</u> xx	<u>C8</u> **	ХХ	ХХ							

TERMINAL RESPONSE: SEND DATA 1.3.2

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Store mode
Device identities	
Source device:	Channel 1 <u>ME</u>
Destination device:	SIM
Result	
General Result:	Command performed successfully

Channel data length: More than 255 bytes of space available in the Tx buffer

Coding:

BER-TLV:	81	03	01	43	00	82	02	<u>8</u> 24	81	83	01	00
	B7	01	FF									

PROACTIVE COMMAND: SEND DATA 1.3.3

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Store mode
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data	
Channel Data :	200 Bytes of data
odina	

Coding:

BER-TLV:	D0	<u>81</u> D3	<u>D4</u> 81	<u>81</u> 03	<u>03</u> 01	<u>01</u> 4 3	<u>43</u> 00	<u>00</u> 82	<u>82</u> 02	<u>02</u> 81	<u>81</u> 21	<u>21</u> 86
	<u>В6</u> С 8	<u>81</u> ××	<u>С8</u> жж	XX	ХХ							

TERMINAL RESPONSE: SEND DATA 1.3.3

Logically:

Comn	nand details	
	Command number:	1
	Command type:	SEND DATA
	Command qualifier:	Store mode
Devic	e identities	
	Source device:	Channel 1 <u>ME</u>
	Destination device:	SIM
Result	t	
	General Result:	Command performed successfully
	Channel data length:	More than 255 bytes of space available in the Tx buffer

Coding:

I

BER-TLV:	81	03	01	43	00	82	02	21<u>82</u>	81	83	01	00
	B7	01	FF									

PROACTIVE COMMAND: SEND DATA 1.3.4

1
SEND DATA
Store mode
SIM
Channel 1
200 Bytes of data

BER-TLV:	D0	81 D3	<u>D4</u> 81	<u>81</u> 03	<u>03</u> 01	<u>01</u> 4 3	<u>43</u> 00	<u>00</u> 82	<u>82</u> 02	<u>02</u> 81	<u>81</u> 21	<u>21</u> 86
<u> </u>	<u>В6</u> С 8	<u>81</u> ××	<u>C8</u> ××	ХХ	ХХ							

TERMINAL RESPONSE: SEND DATA 1.3.4

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Store mode
Device identities	
Source device:	Channel 1ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel data length:	200 bytes of space available in the Tx buffer

Coding:

BER-TLV:	81	03	01	43	00	82	02	<u>8</u> 24	81	83	01	00
	B7	01	C8									

PROACTIVE COMMAND: SEND DATA 1.3.5

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Send Immediately
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data	
Channel Data:	200 Bytes of data

Coding:

BER-TLV:	D0	<u>81</u> D3	<u>D4</u> 81	<u>81</u> 03	<u>03</u> 01	<u>01</u> 43	<u>43</u> 01	<u>01</u> 82	<u>82</u> 02	<u>02</u> 81	<u>81</u> 21	<u>21</u> B6
	<u>₿6</u> 8	<u>81</u> xx	<u>C8</u> xx	ХХ	ХХ							

TERMINAL RESPONSE: SEND DATA 1.3.5

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Send Immediately
Device identities	
Source device:	Channel 1 <u>ME</u>
Destination device:	SIM
Result	
General Result:	Command performed successfully

3GPP TS aa.bbb vX.Y.Z (YYYY-MM)

Channel data length: No space available in the Tx buffer

Coding:

BER-TLV:	81	03	01	43	01	82	02	<u>2182</u>	81	83	01	00
	B7	01	00									

Expected sequence (1.4 SEND DATA, 2 consecutive SEND DATA Store mode)

For that test, it is assumed that an open channel proactive command has been successfully executed (with a SIM buffer size of 1 kB).

Step	Direction	MESSAGE / Action	Comments
1	$\underline{SIM}\toME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 1.1.1	
<u>2</u> <u>3</u>	$\frac{\text{ME} \rightarrow \text{SIM}}{\text{SIM}}$	PROACTIVE COMMAND: OPEN CHANNEL	Immediate link establishment CSD 0600hps
2	$\underline{SIM}\to \underline{ME}$	(immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32, 1KB buffer]
4	$ME \rightarrow SS$	SETUP CALL	
4 5 6	$SS \rightarrow ME$	CONNECTED	
<u>6</u>	$\underline{ME}\to \underline{SIM}$		[Command performed successfully]
		(immediate) 1.1.1	
4 <u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
2 8	$\text{ME} \rightarrow \text{SIM}$	DATA 1.3.1	
3 <u>9</u>		PROACTIVE COMMAND: SEND DATA	Send 1kByte of data by packet of 200 Bytes
<u> </u>		(store mode) 1.3.1	
4 <u>10</u>	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
		(store mode) 1.3.1	
<u>11</u>	$\underline{SIM} \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.2	
<u>12</u>	$\underline{ME}\to\underline{SIM}$		
13	$\overline{\text{SIM}} \rightarrow \text{ME}$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
		(store mode) 1.3.2	
<u>14</u>	$\underline{ME}\to \underline{SIM}$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
45		(store mode) 1.3.2 RECACTIVE COMMAND RENDINC: SEND	
<u>15</u>	$\underline{SIM} \to \underline{ME}$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.3	
<u>16</u>	$\underline{ME}\to \underline{SIM}$		
17	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
		(store mode) 1.3.3	
<u>18</u>	$\underline{ME} \to \underline{SIM}$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
10		(store mode) 1.3.3 PROACTIVE COMMAND PENDING: SEND	
<u>19</u>	$\underline{SIM} \to \underline{ME}$	DATA 1.3.4	
<u>20</u>	$\underline{ME}\to \underline{SIM}$		
21	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
		(store mode) 1.3.4	
<u>22</u>	$\underline{ME} \to \underline{SIM}$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
<u>23</u>	$\underline{SIM} \rightarrow$	(store mode) 1.3.4 PROACTIVE COMMAND PENDING: SEND	
20	ME 	DATA 1.3.5	
19<u>24</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND DATA	
		(immediate) 1.3.5	
<u>25</u> 20	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
21 26	$SIM \rightarrow ME$	(immediate) 1.3.5 PROACTIVE COMMAND PENDING: SEND	
2+ <u>20</u>		DATA 1.3.1	
<u>2227</u>	$\text{ME} \rightarrow \text{SIM}$		
23<u>28</u>	$SIM\toME$	PROACTIVE COMMAND: SEND DATA	Send 1kByte of data by packet of 200 Bytes
24<u>29</u>		(store mode) 1.3.1 TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
<u> </u>		(store mode) 1.3.1	
<u>30</u>	$\underline{SIM} \rightarrow$	PROACTIVE COMMAND PENDING: SEND	
	ME …	DATA 1.3.2	
<u>31</u>	$\underline{ME} \to \underline{SIM}$	FETCH	
<u>32</u>	$\underline{SIM}\to ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
<u>33</u>	$\underline{ME}\to \underline{SIM}$	(store mode) 1.3.2 TERMINAL RESPONSE: SEND_DATA	[Command performed successfully]
<u> </u>		(store mode) 1.3.2	
<u>34</u>	$\underline{SIM}\to ME$	PROACTIVE COMMAND PENDING: SEND	
		DATA 1.3.3	
<u>35</u>	$\frac{\text{ME} \rightarrow \text{SIM}}{\text{SIM}}$		[200 Bytes]
<u>36</u>	$\underline{SIM}\to \underline{ME}$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3	[200 Bytes]
<u>37</u>	$\underline{ME}\to \underline{SIM}$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
<u>.</u>		(store mode) 1.3.3	
<u>38</u>	$\underline{SIM}\to ME$	PROACTIVE COMMAND PENDING: SEND	
I		<u>DATA 1.3.4</u>	I

<u>39</u>	$\text{ME} \rightarrow \text{SIM}$	FETCH	
<u>40</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
		(store mode) 1.3.4	
<u>41</u>	$\underline{ME} \to \underline{SIM}$		[Command performed successfully]
		(store mode) 1.3.4	
<u>42</u>		PROACTIVE COMMAND PENDING: SEND	<u></u>
		DATA 1.3.5	
39<u>43</u>		PROACTIVE COMMAND: SEND DATA	
		(immediate) 1.3.5	
4 <u>4</u> 0	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
		(immediate) 1.3.5	

Expected sequence 1.5 (SEND DATA, immediate mode with a bad channel identifier)

For that test, it is assumed that an open channel proactive command has been successfully executed (channel 1).

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
<u>2</u>	$ME \rightarrow SIM$	FETCH	
<u>2</u> <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: OPEN	[Immediate link establishment, CSD, 9600bps
		CHANNEL (immediate) 1.1.1	V.32, 1KB buffer]
<u>4</u>	$ME \rightarrow SS$	SETUP CALL	
4 5 6	$\underline{SS \rightarrow ME}$	CONNECTED	
<u>6</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.1.1	
<u>7</u> 4	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 1.5.1	
<u>8</u> 2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
<u>9</u> 3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	
		DATA (immediate) 1.5.1	
<u>10</u> 4	$ME \rightarrow SIM$		[Invalide channel number]
		DATA (immediate) 1.1.1	

PROACTIVE COMMAND: SEND DATA 1.5.1

Logically:

Command details		
Command n	umber:	1
Command t	ype:	SEND DATA
Command c	ualifier:	Send Immediately
Device identities	-	-
Source devi	ce:	SIM
Destination	device:	Channel <u>1-2</u>
Channel Data		
Channel Da	ta :	8 Bytes of data

Coding:

BER-TLV:	D0	12<u>13</u>	81	03	01	43	01	82	02	81	22	B6
	08	XX	ХХ	XX	XX	<u>xx</u>	XX	XX	XX			

TERMINAL RESPONSE: SEND DATA 1.5.1

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Send Immediately
Device identities	-

Source device: Destination device: Result

Channel 1ME

SIM

General Result: Additional Result:

Bearer Independent Protocol error (3A) Channel identifier not valid (03)

Coding:

Γ	BER-TLV:	81	03	01	43	01	82	02	<u>2182</u>	81	83	02	3A
		03											

Expected sequence 1.6 (SEND DATA, immediate mode, Proactive SIM session terminated by the user)

For that test, it is assumed that an open channel proactive command has been successfully executed.

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
<u>2</u>	$ME \rightarrow SIM$	FETCH	
<u>2</u> <u>3</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: OPEN	[Immediate link establishment, CSD, 9600bps
		CHANNEL (immediate) 1.1.1	V.32, 1KB buffer]
<u>4</u>	$ME \rightarrow SS$	SETUP CALL	
4 5 6	$\underline{SS \rightarrow ME}$	CONNECTED	
<u>6</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.1.1	
4 <u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING; SEND DATA 1.6.1	
2<u>8</u>	$ME \rightarrow SIM$		
3 <u>9</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	
		DATA (immediate) 1.6.1	
<u>10</u>		ME displays "Send data"	
	<u>USER</u>		
<u>11</u>	<u>USER \rightarrow</u>	Abort proactive session	
	<u>ME</u>		
4 <u>12</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Proactive SIM session terminated by the
		DATA (immediate) 1.1.1	user]

PROACTIVE COMMAND: SEND DATA 1.6.1

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Send Immediately
Device identities	
Source device:	SIM
Destination device:	Channel 1
Alpha Identifier :	Send data
Channel Data	
Channel Data:	8 Bytes of data

BER-TLV:	D0	12 1 E	81	03	01	43	01	82	02	81	22<u>21</u>	<u>85</u> 86
<u>.</u>	<u>09</u> 08	<u>53xx</u>	<mark>Xx<u>65</u></mark>	Xx <mark>6E</mark>	<mark>Xx</mark> 64	<u>20</u>	<u>64</u>	<u>61</u>	<u>74</u>	<u>61</u>	<u>B6</u>	<u>08</u>
	<u>XX</u>	XX	XX	XX	XX	XX	XX	XX				

TERMINAL RESPONSE: SEND DATA 1.6.1

Logically:

Command details	
Command number:	1
Command type:	SEND DATA
Command qualifier:	Send Immediately
Device identities	
Source device:	Channel 1ME
Destination device:	SIM
Result	
General Result:	Proactive SIM session terminated by the user

Coding:

BER-TLV: 81 03 01 43	01 82	02 <mark>21<u>82</u></mark>	81	83	01	10

27.22.4.30.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.6.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#T3- 030688**

	-,												
ж	11.10-4 C	R A017	жrev	-	ж	Current versi	^{ion:} 8.4.0	ж					
For <u>HELP</u> on	sing this form, s	see bottom of this	s page or l	look a	t the	pop-up text	over the 🕷 syl	mbols.					
		-		1			. 🗖	. —					
Proposed change	affects: UIC	C apps ೫ <mark>X</mark>	ME X	Radi	o Ac	cess Networ	k Core Ne	etwork					
Title:	Essential cor	rections to defaul	lt values fo	or SIM	1 App	olication Tool	kit testing						
_													
Source:	T3												
Work item code:	TEI					Date: #	22/08/2003						
work nem coue.	161					Date. #	22/00/2003						
Category:	F					Release: #	R99						
	Use one of the f	following categories	s <i>:</i>			Use <u>one</u> of i	the following rele	eases:					
	F (correcti						(GSM Phase 2)						
	A (corresp	onds to a correctio	n in an ear	lier rele	ease) R96	(Release 1996)						
		n of feature),					(Release 1997)						
	· ·	nal modification of f	feature)			R98	(Release 1998)						
		l modification)					(Release 1999)						
		ations of the above	categories	can			(Release 4)						
	be found in 3GF	PP <u>TR 21.900</u> .					(Release 5)						
						Rel-6	(Release 6)						

Reason for change: #	 If services like "Call Control" are allocated and activated most of the tests with interaction with the network/ System Simulator will not behave like intended in the according expected sequences. I.e. in case of call control allocated and activated a setup call will result in an ENVELOPE(CALL CONTROL), a call control result and an according call setup, if allowed by call control. This is not intended and reflected in most of the tests. Therefore some services shall not be set to activated in the default EF(SST). In cases where these services are required this shall be and is stated in the initial conditions chapter of the affected test cases. EF(SST): Service no.14: The wrong bits in byte 4 of the coding are set. Shall be bits b3 and b4. EF(SST): Service no.37 and 39: The wrong bits of byte 10 are set. Shall be bits b1, b2 and b5, b6. EF(SST): Service no.41 and 42: The wrong bits of byte 11 are set. Shall be bits b1, b2 and b3, b4. EF(SST): Service no.12 (SMS Parameters) not listed, though this EF is included in the default card. Cell Broadcast Message Identifier Ranges is service no. 30, not service no. 14.
l l	

	 BDN shall be disabled by default. That means that EF(BDN) shall be invalidated by default.
	Annex C lists the additional files for icon management. These files can be integrated into the default card.
	• Default values of the Test SIM used in this specifictaion are defined as in 3GPP TS 11.11. To use more useful default values these values should be taken from 3GPP TS 11.10-1, cl. 27, where more EF contain useful and proven data.
Summary of change: #	The following services are set to "allocated/not activated" in the default
	 EF(SST): Call Control by SIM MO Short Message Control by SIM BDN
	 EF(BDN): Note inserted that this EF shall be invalidated unless otherwise stated.
	 EF(SST): Bytes 4, 10, 11 and 12 corrected, service no. 12 (SMS Parameters) inserted as allocated and activated.
	Service number of Cell Broadcast Message Identifier Ranges in EF(SST) corrected.
	 Additional files for icon management inserted in the default card, annex C deleted, references to this annex deleted and initial conditions adjusted, if necessary, in: 27.22.4.1.5.4.1 (Display Text) 27.22.4.2.6.4.1 (Get Inkey)
	 27.22.4.3.6.4.1 (Get Input), after moving the initial conditions statement from the Method of test clause to the initial conditionns clause 27.22.4.10.3.4.1 (Send Short Message) 27.22.4.11.2.4.1 (Send SS) 27.22.4.12.2.4.1 (Send USSD) 27.22.4.13.3.4.1 (Set Up Call) 27.22.4.23.2.4.1 (Run AT Command) 27.22.4.24.2.4.1 (Send DTMF)
	 The reference of the specification containing the default values of the Test SIM changed to TS 11.10-1.
Consequences if % not approved:	• The default values of the card simulated by the SIM Simulator will lead to the effect that several tests can't be executed in an accurate way, because interaction with the network will result in additional procedure steps, which are not reflected in the affected test procedures.
	EF(SST) is not coded as intended.
	 If a separate card has to be simulated for tests with icon support this will lead to unnecessary overhead when setting up these tests.
Clauses affected: %	27.22.2, Annex C, 27.22.4.1.5.4.1, 27.22.4.2.6.4.1, 27.22.4.3.6.4, 27.22.4.3.6.4.1, 27.22.4.10.3.4.1, 27.22.4.11.2.4.1, 27.22.4.12.2.4.1, 27.22.4.13.3.4.1, 27.22.4.23.2.4.1, 27.22.4.24.2.4.1
Other specs %	Y N N Other core specifications %

affected:	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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.2 Definition of default values for SIM Application Toolkit testing

A SIM containing the following default values is used for all tests of this clause unless otherwise stated.

For each item, the logical default values and the coding within the Elementary Files (EF) of the SIM follow, as defined in:

• 3GPP TS 11.11-10-1, cl. 27 [1312].

NOTE 1: Bx represents byte x of the coding.

NOTE 2: Unless otherwise defined, the coding values in binary.

EFSST (SIM Service Table)

	(Service 2)	Abbreviated Dialling Numbers allocated and activated
	<u>(Service 10)</u>	Extension 1 allocated and activated
Ċ	(Service 3)	Fixed Dialling Numbers allocated and activated
	(Service 10)	Extension 1 allocated and activated
Ċ	(Service 11)	Extension 2 allocated and activated
	(Service 12)	SMS Parameters allocated and activated
Ċ	(Service 14)	Cell Broadcast Message Identifier allocated and activated
	(Service 25)	Data download via SMS-CB allocated and activated
	(Service 26)	Data download via SMS-PP allocated and activated
	(Service 27)	Menu selection allocated and activated
	(Service 28)	Call control allocated and <u>not</u> activated
	(Service 29)	Proactive SIM allocated and activated
	(Service <u>1430</u>)	Cell Broadcast Message Identifier Ranges allocated and activated
	(Service 31)	Barred Dialling Numbers allocated and not activated
	(Service 32)	Extension4 allocated and activated
	(Service 37)	Mobile Originated Short Message control by SIM allocated and not activated
	(Service 39)	Image (IMG) allocated and activated
	(Service 41)	USSD string data object supported in Call Control allocated and activated
	(Service 42)	RUN AT COMMAND command allocated and activated
	(Service 48)	Extended Capability Configuration Parameters allocated and activated

Coding:	B1	B2	B3	B4
	Xx1111xx	XXXXXXXX	<mark>Xx<u>11</u>1111xx</mark>	xx <u>xx</u> 11 <mark>xx</mark> xx
	B5	B6	B7	B8
	XXXXXXXX	XXXXXXXX	<u>0</u> 41111111	11 <u>0</u> 411111
	B9	B10	B11	B12
	XXXXXXXX	<u>xx</u> 11xx 1 01 xx	<u>xxxx</u> 1111 xxxx	<u>11</u> xxxxxx <mark>11</mark>

EF_{Phase} (SIM Phase Identification)

Logically: Phase 2+

Coding: '03'

EFIMSI (International Mobile Subscriber Identity)

Logically:

Length: 8 bytes IMSI: 001 01 0123456789

Coding: '08 09 10 10 10 32 54 76 98'

EF_{CBMI} (Cell Broadcast Message Identifier)

Logically:

Cell Broadcast Message Identifier 1: '0C 0C'

Coding:	0C	0C	FF	FF			

EF_{CBMID} (Cell Broadcast Message Identifier for Data Download)

Logically:

Cell Broadcast Message Identifier 1: '10 01'

Coding:	10	01	FF	 FF			

EF_{FDN} (Fixed Dialling Numbers)

Logically:

At least 10 records

Record 1:	
Length of alpha identifier:	32 characters
Alpha identifier:	"ABC"
Length of BCD number:	"03"
TON and NPI:	Telephony and Unknown
Dialled number:	123
CCI:	None
Ext2:	None

Coding:	B1	B2	B3	B4	 B32	B33	B34	B35	B36	B37	 B46
Record 1:	41	42	43	FF	 FF	03	81	21	F3	FF	 FF

Record 2:	
Length of alpha identifier:	32 characters
Alpha identifier:	"DEF"
Length of BCD number:	"04"
TON and NPI:	Telephony and Unknown
Dialled number:	9876
CCI:	None
Ext2:	None

Coding:	B1	B2	B3	B4	 B32	B33	B34	B35	B36	B37	 B46
Record 1:	44	45	46	FF	 FF	03	81	89	67	FF	 FF

EF_{BDN} (Barred Dialling Numbers)

Logically:

At least 10 records

Record 1:	
Length of alpha identifier:	32 characters
Alpha identifier:	"CBA"
Length of BCD number:	"03"
TON and NPI:	Telephony and Unknown
Dialled number:	321
CCI:	None
Ext4:	None
Comparison Method Info:	None

Coding:	B1	B2	B3	B4	 B32	B33	B34	B35	B36	B37	 B46
Record 1:	43	42	41	FF	 FF	03	81	23	F1		 FF

Note: EF_{BDN} shall be invalidated unless otherwise stated, i.e. by indicating that Barred Dialling Numbers service is enabled.

EF_{ECC} (Emergency Call Codes)

Coding:

Logically:

Emergency Call Code 1:	'1020'					
Coding:		01	02	FF		
Emergency Call Code 2:	'112'					

11

F2

FF

EF_{SMSP} (Short message service parameters)

Record 1:	
Record length:	28 bytes
Parameter Indicators:	
TP-Destination Address:	Parameter absent
TS-Service Centre Address:	Parameter present
TP-Protocol Identifier:	Parameter absent
TP-Data Coding Scheme:	Parameter absent
TP-Validity Period:	Parameter absent
TS-Service Centre Address:	
TON:	International Number

NPI: Dialled number string: "ISDN / telephone numbering plan" "112233445566778"

Coding:	B1	B2	B3	 B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23
Record 1:	FD	FF	FF	 FF	09	91	11	22	33	44	55	66	77	F8

B24	B25	B26	B27	B28
FF	FF	FF	FF	FF

For the display of icon:

- Under the DF Telecom: creation of DF Graphics (5F50);
- Under the DF 5F50: creation of EF_{Img} (4F20, linear fixed file) and EF_{Instance} (4FXX, transparent file).

EF_{Img} (Image, 4F20)

Record 1:

Logically:

Number of Actual Images Instances:	01
Image Instance Width:	08
Image Instance Height:	08
Image Coding Scheme:	11 (basic image)
Image Instance File Identifier:	4F 04 (EF _{Instance})
Offset into Image Instance File:	00 00
Length of Image Instance Data:	<u>00 0A</u>

Coding:

BER-TLV:	<u>01</u>	<u>08</u>	<u>08</u>	<u>11</u>	<u>4F</u>	<u>04</u>	<u>00</u>	<u>00</u>	00	<u>0A</u>	FF	FF
	FF	FF	<u>FF</u>	FF	FF	FF	<u>FF</u>	<u>FF</u>				

Record 2:

Logically:

Number of Actual Images Instances:	01
Image Instance Width:	08
Image Instance Height:	08
Image Coding Scheme:	21 (colour image)
Image Instance File Identifier:	4F 02(EF _{Instance})
Offset into Image Instance File:	00 00
Length of Image Instance Data:	00.1F

Coding:

BER-TLV :	<u>01</u>	<u>2E</u>	<u>28</u>	<u>21</u>	<u>4F</u>	<u>02</u>	00	<u>00</u>	00	<u>1F</u>	FF	<u>FF</u>
	<u>FF</u>	FF	FF	FF	FF	FF	FF	FF				

Record 3:

Logically:

Number of Actual Images Instances:01Image Instance Width:18

Image Instance Height:	10
Image Coding Scheme:	11 (basic image)
Image Instance File Identifier:	4F 03 (EF _{Instance})
Offset into Image Instance File:	00 00
Length of Image Instance Data:	00 32

BER-TLV :	<u>01</u>	<u>18</u>	<u>10</u>	<u>11</u>	<u>4F</u>	<u>03</u>	00	<u>00</u>	<u>00</u>	<u>32</u>	FF	<u>FF</u>
	<u>FF</u>	<u>FF</u>	FF	FF	<u>FF</u>	FF	FF	FF				

Record 4:

Logically:

Number of Actual Images Instances:	01
Image Instance Width:	<u>2E</u>
Image Instance Height:	28
Image Coding Scheme:	11 (basic image)
Image Instance File Identifier:	4F 01 (EF _{Instance})
Offset into Image Instance File:	00 00
Length of Image Instance Data:	<u>00 E8</u>
Image Instance File Identifier: Offset into Image Instance File:	4F 01 (EF _{Instance}) 00 00

Coding:

BER-TLV:	01	<u>2E</u>	<u>28</u>	<u>11</u>	<u>4F</u>	<u>01</u>	00	00	00	<u>E8</u>	FF	FF
	FF	FF	FF	FF	FF	FF	FF	FF				

Record 5:

Logically:

Number of Actual Images Instances:	01
Image Instance Width:	05
Image Instance Height:	05
Image Coding Scheme:	11 (basic image)
Image Instance File Identifier:	4F 05 (EF _{Instance})
Offset into Image Instance File:	00 00
Length of Image Instance Data:	00 08

Coding:

BER-TLV:	01	<u>05</u>	<u>05</u>	<u>11</u>	<u>4F</u>	<u>05</u>	00	00	00	<u>08</u>	FF	FF
	FF	FF	FF	FF	FF	FF						

EFInstance (4F01)

Logically:

Image Instance Data: see below

BER-TLV:	<u>2E</u>	<u>28</u>	<u>00</u>	<u>00</u>	<u>00</u>	00	<u>00</u>	<u>00</u>	<u>00</u>	<u>01</u>	FF	<u>80</u>
	<u>00</u>	00	<u>00</u>	<u>0F</u>	FF	00	<u>00</u>	<u>00</u>	00	77	FE	00
	00	00	<u>01</u>	BF	<u>F8</u>	00	00	<u>00</u>	<u>06</u>	FF	<u>E0</u>	00
	00	00	<u>1A</u>	<u>03</u>	<u>80</u>	00	00	<u>00</u>	<u>6B</u>	<u>F6</u>	BC	00
	<u>00</u>	<u>01</u>	<u>AF</u>	<u>D8</u>	<u>38</u>	<u>00</u>	<u>00</u>	<u>06</u>	BF	<u>60</u>	<u>20</u>	<u>00</u>
	<u>00</u>	<u>1A</u>	FD	<u>80</u>	<u>40</u>	<u>00</u>	<u>00</u>	<u>6B</u>	<u>F6</u>	<u>00</u>	<u>80</u>	<u>00</u>
	<u>01</u>	<u>A0</u>	<u>1F</u>	<u>02</u>	00	00	<u>06</u>	FF	<u>E4</u>	<u>04</u>	<u>00</u>	<u>00</u>
	<u>1B</u>	<u>FF</u>	<u>90</u>	<u>10</u>	<u>00</u>	<u>00</u>	<u>6D</u>	EE	<u>40</u>	<u>40</u>	<u>00</u>	<u>01</u>
	BF	<u>F9</u>	<u>01</u>	<u>00</u>	<u>00</u>	<u>6F</u>	FF	<u>E4</u>	<u>04</u>	<u>00</u>	<u>00</u>	<u>1B</u>
	FF	<u>90</u>	<u>10</u>	<u>00</u>	<u>00</u>	<u>6F</u>	FE	<u>40</u>	<u>40</u>	<u>00</u>	<u>01</u>	BF
	<u>F9</u>	<u>01</u>	<u>00</u>	<u>00</u>	<u>06</u>	FF	<u>E6</u>	<u>04</u>	00	<u>00</u>	<u>1B</u>	FF
	<u>88</u>	<u>10</u>	<u>00</u>	<u>00</u>	<u>6F</u>	FE	<u>20</u>	<u>40</u>	<u>00</u>	<u>01</u>	BF	<u>F8</u>
	<u>66</u>	<u>00</u>	<u>00</u>	<u>06</u>	<u>FF</u>	<u>E0</u>	<u>F0</u>	<u>00</u>	<u>00</u>	<u>1B</u>	<u>FF</u>	<u>80</u>
	<u>80</u>	<u>00</u>	<u>00</u>	<u>7F</u>	FE	00	00	<u>00</u>	<u>03</u>	<u>00</u>	<u>0C</u>	<u>00</u>
	<u>00</u>	<u>00</u>	<u>1F</u>	FF	<u>F8</u>	00	00	<u>00</u>	00	<u>00</u>	<u>00</u>	<u>00</u>
	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	00	00	00	<u>00</u>	00	<u>00</u>	<u>00</u>	<u>00</u>
	<u>1C</u>	<u>21</u>	<u>08</u>	<u>44</u>	EE	<u>00</u>	<u>48</u>	<u>C4</u>	<u>31</u>	<u>92</u>	<u>20</u>	<u>01</u>
	<u>25</u>	<u>11</u>	<u>45</u>	<u>50</u>	<u>80</u>	<u>07</u>	<u>14</u>	<u>45</u>	<u>15</u>	<u>43</u>	<u>80</u>	<u>12</u>
	<u>71</u>	<u>1C</u>	<u>4D</u>	<u>08</u>	00	<u>4A</u>	<u>24</u>	<u>89</u>	<u>32</u>	<u>20</u>	<u>01</u>	<u>C8</u>
	<u>9E</u>	<u>24</u>	<u>4E</u>	<u>E0</u>								

EFInstance (4F02)

Logically:

08
08
02
03
00 16
see below

Coding:

BER-TLV :	<u>08</u>	<u>08</u>	<u>02</u>	<u>03</u>	<u>00</u>	<u>16</u>	<u>AA</u>	<u>AA</u>	<u>80</u>	<u>02</u>	<u>85</u>	<u>42</u>
	<u>81</u>	<u>42</u>	<u>81</u>	<u>42</u>	<u>81</u>	<u>52</u>	<u>80</u>	<u>02</u>	<u>AA</u>	<u>AA</u>	FF	<u>00</u>
	00	00	FF	00	00	00	FF					

EFInstance (4F03)

Logically:

Image Instance Data: see below

Coding:

BER-TLV :	<u>18</u>	<u>10</u>	FF	FF	FF	<u>80</u>	00	<u>01</u>	<u>80</u>	00	<u>01</u>	<u>80</u>
	<u>00</u>	<u>01</u>	<u>8F</u>	<u>3C</u>	<u>F1</u>	<u>89</u>	<u>20</u>	<u>81</u>	<u>89</u>	<u>20</u>	<u>81</u>	<u>89</u>
	<u>20</u>	<u>F1</u>	<u>89</u>	<u>20</u>	<u>11</u>	<u>89</u>	<u>20</u>	<u>11</u>	<u>89</u>	<u>20</u>	<u>11</u>	<u>8F</u>
	<u>3C</u>	<u>F1</u>	<u>80</u>	<u>00</u>	<u>01</u>	<u>80</u>	<u>00</u>	<u>01</u>	<u>80</u>	<u>00</u>	<u>01</u>	FF
	FF	FF										

EFInstance (4F04)

Logically:

Image Instance Data: see below

BER-TLV: 08 08 FF 03 A5 99 99 A5 C3 FF

EFInstance (4F05)

Logically:

Image Instance Data: see below

Coding:

BER-TLV: 05 05 FE EB BF FF FF FF

Annex C (voidnormative): Initial conditions for Icon Management

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

The ME screen shall be in its normal stand-by display.

For the display of icon:

- -Under the DF Telecom: creation of DF Graphics (5F50);
- -Under the DF 5F50: creation of EF_{Img} (4F20, linear fixed file) and EF_{Instance} (4FXX, transparent file).

EFImg (Image, 4F20)

Record 1:

Logically:

Number of Actual Images Instances:	01
Image Instance Width:	<u>08</u>
Image Instance Height:	<u>08</u>
Image Coding Scheme:	-11 (basic image)
Image Instance File Identifier:	-4F 04 (EF _{Instance})
Offset into Image Instance File:	-00-00
Length of Image Instance Data:	<u>-00-0A</u>

Coding:

REP_TL\/·	01	08	08	11	4E	04	00	00	00	ΔΔ	EE	EE
DEIT IEV.	FF	FF	FF	FF	FF	FF	FF	FF	00	071		

Record 2:

Number of Actual Images Instances:	- 01
Image Instance Width:	- 08
Image Instance Height:	- 08
Image Coding Scheme:	21 (colour image)
Image Instance File Identifier:	-4F-02(EF _{Instance})
Offset into Image Instance File:	-00-00

Length of Image Instance Data: 00 1F

Coding:

BER-TLV:	01	2E	28	21	4E	02	00	00	00	1E	FF	FF
	ĘĘ	FF	ĘĘ	FF	ĘĘ	ĘĘ	ĘĘ	FF				

Record 3:

Logically:

Number of Actual Images Instances:	- 01
Image Instance Width:	<u>-18</u>
Image Instance Height:	
Image Coding Scheme:	-11 (basic image)
Image Instance File Identifier:	-4F-03 (EF _{Instance})
Offset into Image Instance File:	<u>00-00</u>
Length of Image Instance Data:	<u>-00-32</u>

Coding:

BER-TLV:	01	18	10	11	4F	03	00	00	00	32	FF	FF
	FF	FF	ĘĘ	FF	FF.	FF	ĘĘ	FF				

Record 4:

Logically:

Number of Actual Images Instances:	-01
Image Instance Width:	<u>-2E</u>
Image Instance Height:	-28
Image Coding Scheme:	-11 (basic image)
Image Instance File Identifier:	-4F-01 (EF _{Instance})
Offset into Image Instance File:	- 00-00
Length of Image Instance Data:	<u>-00-E8</u>

Coding:

BER-TLV:	01	2E	28	11	4 F	01	00	00	00	E8	FF	FF
	FF	FF	FF	ĘĘ	ĘĘ	ĘĘ	ĘĘ	ĘĘ				

Record 5:

Logically:

Number of Actual Images Instances:	-01
Image Instance Width:	- 05
Image Instance Height:	<u>05</u>
Image Coding Scheme:	-11 (basic image)
Image Instance File Identifier:	-4F 05 (EF _{Instance})
Offset into Image Instance File:	-00-00
Length of Image Instance Data:	<u>-00-08</u>

BER-TLV:	01	05	05	11	4E	05	00	00	00	08	FF	FF
	FF	FF-	ŧ	FF-	Ę	FF.						

EF_{Instance} (4F01)

Logically:

Image Instance Data: see below

Coding:

BER-TLV:	2E	28	00	00	00	00	00	00	00	01	FF	80
	00	00	00	0F	堆	00	00	00	00	77	FE	00
	00	00	01	BF	F8	00	00	00	06	FF	E0	00
	00	00	1A	03	80	00	00	00	6B	F6	BC	00
	00	01	AF	D8	38	00	00	06	BF	60	20	00
	00	1A	₽Ð	80	40	00	00	6B	F6	00	80	00
	01	AO	1E	02	00	00	06	FF	E4	0 4	00	00
	1B	FF.	90	10	00	00	6D	EE	40	40	00	01
	BF	F9	01	00	00	6F	FF.	E4	04	00	00	1B
	FF	90	10	00	00	6F	FE	40	40	00	01	BF
	F9	01	00	00	06	FF	E6	0 4	00	00	1B	FF
	88	10	00	00	6F	FE	20	40	00	01	BF	F8
	66	00	00	06	FF	E0	FO	00	00	1B	FF.	80
	80	00	00	7E	FE	00	00	00	03	00	00	00
	00	00	1F	FF.	F8	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00
	1C	21	08	44	EE	00	48	C 4	31	92	20	01
	25	-11	4 5	50	80	07	14	45	15	43	80	12
	71	1C	4 D	08	00	4A	24	89	32	20	01	68
	9E	24	4E	E0								

EFInstance (4F02)

Logically:

Image Instance Data:	
	<u>—08</u>
	<u>—08</u>
Bits per raster image point:	<u></u>
	<u>03</u>
	<u> </u>

Coding:

BER-TLV:	08	08	02	03	00	16	AA	AA	80	02	85	42
	81	42	81	4 2	81	52	80	02	AA	AA	FF	00
	00	00	FF	00	00	00	FF					

EF_{Instance} (4F03)

Logically:

Image Instance Data: see below

BER-TLV:	18	10	FF	FF	FF	80	00	01	80	00	01	80
	00	01	8F	3C	F1	89	20	81	89	20	81	89
	20	F1	89	20	11	89	20	11	89	20	11	8F
	3C	F1	80	00	01	80	00	01	80	00	01	FF
	FF	FF										

EF_{Instance} (4F04)

Logically:

Image Instance Data: see below

Coding:

27.22.4.1.5.4.1	Initial conditions						
See annex C.							
The ME is connected to the SIM Simulator.							
The elementary files are coded as Toolkit default.							
The ME screen shall be in its normal stand-by display.							
27.22.4.2.6.4.1	Initial conditions						
The ME is connected to	the SIM Simulator.						
The elementary files are coded as Toolkit default.							
The ME screen shall be in its normal stand-by display.							
See annex C.							
27.22.4.3.6.4	Method of test						
See annex C.							
27.22.4.3.6.4.1	Initial conditions						
The ME is connected to the SIM Simulator.							
The elementary files are coded as Toolkit default.							
The ME screen shall be in its normal stand-by display.							
TT 1							

Void.

27.22.4.10.3.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default.

The ME screen shall be in its normal stand-by display.

See annex C.

27.22.4.11.2.4.1 Initial conditions

The ME is connected to the System Simulator and the SIM Simulator.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the System Simulator.

The elementary files are coded as Toolkit default.

See annex C for coding of the elementary files on SIM.

27.22.4.12.2.4.1 Initial conditions

The ME is connected to the System Simulator and the SIM Simulator.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the System Simulator

See Annex C for coding of the elementary files on SIM.

The elementary files are coded as Toolkit default.

27.22.4.13.3.4.1 Initial conditions

The ME is connected to both the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default-with the following exceptions.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and is in updated idle mode on the system simulator.

Initial conditions for Icon Management according to Annex C are valid.

27.22.4.23.2.4.1 Initial conditions

The ME is connected to the SIM Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to the test the ME shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

Initial conditions for Icon Management according to Annex C are valid.

The ME screen shall be in its normal stand-by display.

27.22.4.24.2.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the System Simulator.

See Annex C for coding of the elementary files on SIM.

The elementary files are coded as Toolkit default.

	CR-F	orm-v7											
CHANGE REQUEST													
ж	11.10-4 CR A019 % rev - % Current version: 8.4.0 %												
For <u>HELP</u> or	For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the # symbols.												
Proposed chang	e affects: UICC apps # X ME X Radio Access Network Core Netwo	rk											
Title:	Essential corrections to Display text test cases												
Source:	₭ T3												
Work item code:	# TEI Date: # 22/08/2003												
Category:	F Release: % R99 Use one of the following categories: Use one of the following releases F (correction) 2 (GSM Phase 2) A (corresponds to a correction in an earlier release) R96 (Release 1996) B (addition of feature), R97 (Release 1997) C (functional modification of feature) R98 (Release 1998) D (editorial modification) R99 (Release 1999) Detailed explanations of the above categories can Rel-4 (Release 4) be found in 3GPP TR 21.900. Rel-5 (Release 5) Rel-6 (Release 6)	S:											
Reason for chan	 PROACTIVE COMMAND: DISPLAY TEXT 1.9.1: Incorrect coded icon qualifier in Icon Identifier TLV ("not self-explanatory" instead of "self-explanatory") PROACTIVE COMMAND : DISPLAY TEXT 3.1.1: Coded text string in contradiction to logical value ("ddfine" instead of "define") 												

•	Test requirement does not refer to correct sequence number	ers in:
	• 27 22 4 1 1 5	

	 27.22.4.1.2.5 27.22.4.1.3.5 27.22.4.1.4.5 27.22.4.1.5.5 27.22.4.1.6.5
Cummon of changes 99	Coding and toot you incoments connected
Summary of change: #	Codings and test requirements corrected.
Consequences if % not approved:	MEs will fail the test because acceptance criteria and text on ME's display will differ.
Clauses affected: #	27.22.4.1.1.4.2, 27.22.4.1.1.5, 27.22.4.1.2.5, 27.22.4.1.3.4.2, 27.22.4.1.3.5, 27.22.4.1.4.5, 27.22.4.1.5.5, 27.22.4.1.6.5
	ΥΝ
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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.1.1.4.2 Procedure

Expected Sequence 1.9 (DISPLAY TEXT, icon and text to be displayed, no text string given, not understood by ME)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: DISPLAY TEXT 1.9.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	Including icon identifier, icon shall be
			displayed together with the alpha text string,
			but no text string given
4	$ME \rightarrow SIM$	TERMINAL RESPONSE:	[Command data not understood by ME
		DISPLAY TEXT 1.9.1	(clause 6.5.4)]
5	$SIM \to ME$	PROACTIVE SIM SESSION	
		ENDED	

PROACTIVE COMMAND: DISPLAY TEXT 1.9.1

Logically:

Command details	
Command number:	1
Command type:	DISPLAY TEXT
Command qualifier:	normal priority, wait for user to clear message
Device identities	
Source device:	SIM
Destination device:	Display
Text string	
Contents:	null data object
Icon Identifier:	
Icon qualifier:	icon is self-explanatory
Icon Identifier:	record 1 in EF _(IMG)

Coding:

BER-TLV:	D0	0F	81	03	01	21	80	82	02	81	02	8D
	00	9E	02	0 <u>0</u> 1	01							

TERMINAL RESPONSE: DISPLAY TEXT 1.9.1

Logically:

Command details	
Command number:	1
Command type:	DISPLAY TEXT
Command qualifier:	normal priority, wait for user to clear message
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command data not understood by ME
Coding:	

BER-TLV:	81	03	01	21	80	82	02	82	81	83	01	32

27.22.4.1.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.89.

27.22.4.1.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.1.3.4.2 Procedure

Expected Sequence 3.1 (DISPLAY TEXT, display of the extension text)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: DISPLAY TEXT 3.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	[Text string with the maximum of 240 bytes]
		DISPLAY TEXT 3.1.1	
4	$ME \rightarrow USER$	Display "This command instructs	
		the ME to display a text message,	
		and/or an icon (see clause 6.5.4).	
		It allows the SIM to define the	
		priority of that message, and the	
		text string format. Two types of	
		priority are defined:- display	
5		normal priority text and/"	
5		Clear Message	
6	$ME \rightarrow SIM$		[Command performed successfully]
		DISPLAY TEXT 3.1.1	
7	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	

PROACTIVE COMMAND: DISPLAY TEXT 3.1.1

Logically:

Command details	
Command number:	1
Command type:	DISPLAY TEXT
Command qualifier:	normal priority, wait for user to clear message
Device identities	
Source device:	SIM
Destination device:	Display
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"This command instructs the ME to display a text message and/or an icon (see
	clause 6.5.4). It allows the SIM to define the priority of that message, and the text string format. Two types of priority are defined:- display normal priority text and/"

BER-TLV:	D0	81	FD	81	03	01	21	80	82	02	81	02
	8D	81	F1	04	54	68	69	73	20	63	6F	6D
	6D	61	6E	64	20	69	6E	73	74	72	75	63
	74	73	20	74	68	65	20	4D	45	20	74	6F
	20	64	69	73	70	6C	61	79	20	61	20	74
	65	78	74	20	6D	65	73	73	61	67	65	2C
	20	61	6E	64	2F	6F	72	20	61	6E	20	69
	63	6F	6E	20	28	73	65	65	20	36	2E	35
	2E	34	29	2E	20	49	74	20	61	6C	6C	6F
	77	73	20	74	68	65	20	53	49	4D	20	74
	6F	20	64	<mark>64<u>65</u></mark>	66	69	6E	65	20	74	68	65
	20	70	72	69	6f	72	69	74	79	20	6F	66
	20	74	68	61	74	20	6D	65	73	73	61	67

65	2C	20	61	6E	64	20	74	68	65	20	74
65	78	74	20	73	74	72	69	6E	67	20	66
6F	72	6D	61	74	2E	20	54	77	6F	20	74
79	70	65	73	20	6F	66	20	70	72	69	6F
72	69	74	79	20	61	72	65	20	64	65	66
69	6E	65	64	ЗA	2D	20	64	69	73	70	6C
61	79	20	6E	6F	72	6D	61	6C	20	70	72
69	6F	72	69	74	79	20	74	65	78	74	20
61	6E	64	2F								

TERMINAL RESPONSE: DISPLAY TEXT 3.1.1

Logically:

Command details	
Command number:	1
Command type:	DISPLAY TEXT
Command qualifier:	normal priority, wait for user to clear message
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV: 81 03 01 21 80 82	02 82 81 83 01 0
----------------------------	------------------

27.22.4.1.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.1.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences 4.1 to 4.4.

27.22.4.1.5.5 Test requirement

The ME shall operate in the manner defined in expected sequences 5.1A to 5.3B.

27.22.4.1.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

		С	HANG	EREG	UE	ST	•		CR-Form-v7
×	<mark>11.10-4</mark>	CR	A020	жrev	-	ж	Current vers	^{ion:} 8.4.	0 [#]
For <u>HELP</u> on us	sing this for	m, see	bottom of th	is page oi	r look i	at th	e pop-up text	over the X s	symbols.
Proposed change a	affects: l	JICC ap	ps # X	ME	<	dio A	ccess Netwo	rk Core	Network
Title: #	Essential	correcti	ons to Get I	nkey test	cases	;			
				-					
Source: ೫	T3								
Work item code: %	TEI						Date: ೫	22/08/200	3
Category: ೫	F (corr A (corr B (add C (fun D (edii	rection) responds dition of f ctional m torial mo planation	nodification of dification) is of the abov	on in an ea feature)			2	R99 the following I (GSM Phase (Release 199 (Release 199 (Release 199 (Release 4) (Release 5) (Release 6)	2) 16) 17) 18)

Reason for change: ೫	 Command qualifier in contradiction to logical value in: TERMINAL RESPONSE: GET INKEY 1.1.1 TERMINAL RESPONSE: GET INKEY 1.4.1 TERMINAL RESPONSE: GET INKEY 6.1.1A TERMINAL RESPONSE: GET INKEY 7.1.2
	 Coded text string in contradiction to logical value in: TERMINAL RESPONSE : GET INKEY 1.2.1: "@" instead of "0" PROACTIVE COMMAND : GET INKEY 1.4.1: "<aaort>" instead of "<abort>"</abort></aaort> PROACTIVE COMMAND : GET INKEY 1.6.1: "Ünstructs" and "Sharacter" instead of "instructs" and "character"
	PROACTIVE COMMAND : GET INKEY 1.6.1: Incorrect length indicated
	 PROACTIVE COMMAND : GET INKEY 2.1.1: Logical value contains Response length TLV which shall not be used for Get Inkey (s.a. TS 11.14, clause 6.6.2)
	 PROACTIVE COMMAND : GET INKEY 6.4.1: Incorrect length in text string TLV indicated
	 TERMINAL RESPONSE: GET INKEY 7.1.1: Coded general result value in contradiction to logical value
	Expected Sequence 7.1: Display Text data is missing
	Logical description of text string TLV not complete in:

 Terminal Response: GET INKEY 1.1.1 Terminal Response: GET INKEY 1.2.1 Terminal Response: GET INKEY 1.5.1 Terminal Response: GET INKEY 1.6.1 Terminal Response: GET INKEY 3.1.1 Terminal Response: GET INKEY 3.2.1 Terminal Response: GET INKEY 4.1.1 Terminal Response: GET INKEY 5.1.1 Terminal Response: GET INKEY 5.2.1 Terminal Response: GET INKEY 6.1.1A Terminal Response: GET INKEY 6.1.1B Terminal Response: GET INKEY 6.2.1A
 Terminal Response: GET INKEY 6.3.1B Terminal Response: GET INKEY 6.4.1A Terminal Response: GET INKEY 6.4.1B Terminal Response: GET INKEY 7.1.1 Terminal Response: GET INKEY 7.1.2 Text string value open for misinterpretation in: Terminal Response: GET INKEY 5.1.1 Terminal Response: GET INKEY 5.2.1 Test requirement does not refer to correct sequence numbers in: 27.22.4.2.1.5 27.22.4.2.3.5 27.22.4.2.5.5 27.22.4.2.6.5 27.22.4.2.7.5
Summary of change: # Above listed errors corrected and enhancement of test description in expected sequence 7.1. Initial conditions adjusted, because the elementary files are coded as Toolkit default.
Consequences if % Incorrect and therefore not executable tests for Get Inkey not approved:
Clauses affected: # 27.22.4.2.1.4.2, 27.22.4.2.1.5, 27.22.4.2.2.4.1, 27.22.4.2.2.4.2, 27.22.4.2.2.5, 27.22.4.2.3.4.1, 27.22.4.2.3.4.2, 27.22.4.2.3.5, 27.22.4.2.4.4.1, 27.22.4.2.4.4.2, 27.22.4.2.4.5, 27.22.4.2.5.4.1, 27.22.4.2.5.4.2, 27.22.4.2.5.5, 27.22.4.2.6.4.2, 27.22.4.2.6.5, 27.22.4.2.7.4.1, 27.22.4.2.7.4.2, 27.22.4.2.7.5
Other specs % N Other core specifications % Affected: N Test specifications
N O&M Specifications

How to create CRs using this form: Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.2.1.4.2 Procedure

Expected Sequence 1.1 (GET INKEY, digits only for character, Unpacked 8 bit data for Text String, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 1.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[digits only, no help info available]
		INKEY 1.1.1	
4	$ME \rightarrow USER$	Display "Enter "+""	
			Text string coding in unpacked format
5	$USER \rightarrow ME$	Enter the input "+" and	
		completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	[command performed successfully]
		INKEY 1.1.1	

PROACTIVE COMMAND: GET INKEY 1.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter "+" "

Coding:

BER-TLV:	D0	15	81	03	01	22	00	82	02	81	82	8D
	0A	04	45	6E	74	65	72	20	22	2B	22	

Terminal Response: GET INKEY 1.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
————Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"+"

BER-TLV:	81	03	01	22	<u>8000</u>	82	02	82	81	83	01	00
	8D	02	04	2B								

Expected Sequence 1.2 (GET INKEY, digits only for character set, SMS default Alphabet for Text String, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 1.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[digits only, no help info available]
		INKEY 1.2.1	
4	$ME \rightarrow USER$	Display "Enter "0""	
			Text string coding in packed format
5	$USER \to ME$	Enter the input "0" and	
		completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE:	[command performed successfully]
		GET INKEY 1.2.1	

PROACTIVE COMMAND: GET INKEY 1.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	SMS default alphabet
Text:	"Enter "0""

Coding:

BER-TLV:	D0	14	81	03	01	22	00	82	02	81	82	8D
	09	00	45	37	BD	2C	07	89	60	22		

TERMINAL RESPONSE: GET INKEY 1.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
———Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	_"0"

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	00
	8D	02	04	00<u>30</u>								

Expected Sequence 1.4 (GET INKEY, abort)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 1.4.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[digits only,, no help information available]
		INKEY 1.4.1	
4	$ME \rightarrow USER$	Display " <abort>"</abort>	Text string coding in unpacked format
5	$USER \to ME$	Terminate the Proactive SIM	
		session MMI action	
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: GET	[Proactive SIM session terminated by the
		INKEY 1.4.1	user]

PROACTIVE COMMAND: GET INKEY 1.4.1

Logically:

1

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	" <abort>"</abort>

Coding:

1

BER-TLV:	D0	13	81	03	01	22	00	82	02	81	82	8D
	08	04	3C	41	<u>4142</u>	4F	52	54	3E			

TERMINAL RESPONSE: GET INKEY 1.4.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Proactive SIM session terminated by the user

Coding:

01	83	81	82	02	82	<mark>08</mark> 0	22	01	03	81	BER-TLV:
----	----	----	----	----	----	-------------------	----	----	----	----	----------

Expected Sequence 1.5 (GET INKEY, SMS default alphabet for character set, Unpacked 8 bit data for Text String, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 1.5.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[characters from SMS default alphabet, no
		INKEY 1.5.1	help info available]
4	$ME \rightarrow USER$	Display "Enter "q""	
			Text string coding in unpacked format
5	$USER \to ME$	Enter the input "q" and	
		completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	[command performed successfully]
		INKEY 1.5.1	

PROACTIVE COMMAND: GET INKEY 1.5.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	SMS default alphabet, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter "q""

Coding:

BER-TLV:	D0	15	81	03	01	22	01	82	02	81	82	8D
	0A	04	45	6E	74	65	72	20	22	71	22	

TERMINAL RESPONSE: GET INKEY 1.5.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	SMS default alphabet, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"q"

BER-TLV:	81	03	01	22	01	82	02	82	81	83	01	00
	8D	02	04	71								

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 1.6.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: GET	[digits only, no help info available]
		INKEY 1.6.1	
4	$ME\toUSER$	Display "Enter "x". This	
		command instructs the ME to	160 characters Text string coding in
		display text, and to expect the	unpacked format
		user to enter a single character.	
		Any response entered by the	
_		user shall be passed t "	
5	$USER \rightarrow ME$	Enter the input "x" and	
		completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	[command performed successfully]
		INKEY 1.6.1	

Expected Sequence 1.6 (GET INKEY, Max length for the Text String, successful)

PROACTIVE COMMAND: GET INKEY 1.6.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	SMS default alphabet, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter "x". This command instructs the ME to display text, and to expect the user to
	enter a single character. Any response entered by the user shall be passed t"

Coding:

1

BER-TLV:	D0	81	ADC	81	03	01	22	01	82	02	81	82
DER-ILV.	-	- ·		-		-		-	-	-	-	-
	8D	81	A1	04	45	6E	74	65	72	20	22	78
	22	2E	20	54	68	69	73	20	63	6F	6D	6D
	61	6E	64	20	69	5E 6	73	74	72	75	63	74
						E						
	73	20	74	68	65	20	4D	45	20	74	6F	20
	64	69	73	70	6C	61	79	20	74	65	78	74
	2C	20	61	6E	64	20	74	6F	20	65	78	70
	65	63	74	20	74	68	65	20	75	73	65	72
	20	74	6F	20	65	6E	74	65	72	20	61	20
	73	69	6E	67	6C	65	20	<u>6</u> 53	68	61	72	61
	63	74	65	72	2E	20	41	6E	79	20	72	65
	73	70	6F	6E	73	65	20	65	6E	74	65	72
	65	64	20	62	79	20	74	68	65	20	75	73
	65	72	20	73	68	61	6C	6C	20	62	65	20
	70	61	73	73	65	64	20	74				

TERMINAL RESPONSE: GET INKEY 1.6.1

Logically:

Command details Command number: Command type: Command qualifier: Device identities

1 GET INKEY SMS default alphabet, no help information available

Source device:	ME
Destination device:	SIM
General Result:	Command performed successfully

Text String Data coding scheme: unpacked, 8 bit data "x" Text:

Coding:

Result

BER-TLV:	81	03	01	22	01	82	02	82	81	83	01	00
	8D	02	04	78								

27.22.4.2.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.6.

27.22.4.2.2.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default-with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

ME Manufacturers shall set the "no response from user" period of time.

The SIM simulator shall be set to that period of time.

27.22.4.2.2.4.2 Procedure

Expected Sequence 2.1 (GET INKEY, no response from the user)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 2.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$		[digits only, no help information available]
		INKEY 2.1.1	
4	$ME \rightarrow USER$	Display " <time-out>"</time-out>	
			Text string coding in unpacked format
5	USER	Waiting and no completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	[No response from user] within 5 s after the
		INKEY 2.1.1	end of that defined period of time
7	USER	Check the delay of TERMINAL	
		RESPONSE is reasonable or not	

PROACTIVE COMMAND: GET INKEY 2.1.1

Logically:

Command details Command number: 1 GET INKEY Command type: digits (0-9, *, # and +) only, no help information available Command qualifier: Device identities

Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	" <time-out>"</time-out>
Response length	
	-0
	

Coding:

BER-TLV:	D0	16	81	03	01	22	00	82	02	81	82	8D
	0B	04	3C	54	49	4D	45	2D	4F	55	54	3E

TERMINAL RESPONSE: GET INKEY 2.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	No response from user

Coding:

27.22.4.2.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.2.3.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.2.3.4.2 Procedure

Expected Sequence 3.1 (GET INKEY, Text String coding in UCS2 Alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 3.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[Digits only, no help information available]
		INKEY 3.1.1	
4	$ME \to USER$	Display " ЗДРАВСТВУЙТЕ "	Text string "Hello" in Russian coding in 16 bits UCS2 alphabet format
5	$USER \to ME$	Enter the input "+" and	
		completion	
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: GET	[command performed successfully]
		INKEY 3.1.1	

PROACTIVE COMMAND: GET INKEY 3.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	16 bit data UCS2 alphabet format
Text:	" ЗДРАВСТВУЙТЕ "

Coding:

BER-TLV:	D0	24	81	03	01	22	00	82	02	81	82	8D
	19	08	04	17	04	14	04	20	04	10	04	12
	04	21	04	22	04	12	04	23	04	19	04	22
	04	15										

TERMINAL RESPONSE: GET INKEY 3.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
———Text String:	
Data coding scheme:	unpacked, 8 bit data
<u> </u>	"+"

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	00
	8D	02	04	2B								

Expected Sequence 3.2 (GET INKEY, max length for the Text String coding in UCS2 Alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 3.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: GET	[digits only, no help information available]
4	$\text{ME} \rightarrow \text{USER}$	Display	
		"ЗДРАВСТВУЙТЕЗДРАВСТВУ ЙТЕЗДРАВСТВУЙТЕЗДРАВСТ ВУЙТЕЗДРАВСТВУЙТЕЗДРАВ СТВУЙ"	Text string length 70 characters, coding in 16 bits UCS2 alphabet format
5	$USER\toME$	Enter the input "+" and completion	
6	$\text{ME} \rightarrow \text{SIM}$		[command performed successfully]

PROACTIVE COMMAND: GET INKEY 3.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	16 bit data UCS2 alphabet format
Text:	"ЗДРАВСТВ УЙТЕЗДРАВСТВ УЙТЕ
	ЗДРАВСТВ УЙТЕЗДРАВСТВ УЙТЕ
	ЗДРАВСТВ УЙТЕЗДРАВСТВ УЙ"

Coding:

BER-TLV:	D0	81	99	81	03	01	22	00	82	02	81	82
	8D	81	8D	08	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19
	04	22	04	15	04	17	04	14	04	20	04	10
	04	12	04	21	04	22	04	12	04	23	04	19

TERMINAL RESPONSE: GET INKEY 3.2.1

Logically:

Command detailsCommand number:1Command type:GET INKEYCommand qualifier:digits (0-9, *, # and +) only, no help information availableDevice identitiesSource device:ME

Destination device: SIM

Result

Silve Silve

Coding:

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	00
	8D	02	04	2B								

27.22.4.2.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1 to 3.2.

27.22.4.2.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.2.4.4.2 Procedure

Expected Sequence 4.1 (GET INKEY, characters from UCS2 alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 4.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[characters from UCS2 alphabet, no help
		INKEY 4.1.1	information available]
4	$ME \rightarrow USER$	Display "Enter"	-
			Text string coding in unpacked format
5	$USER \to ME$	Enter the input "Д"	Russian character, coding in UCS2 format
		and completion	
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: GET	[command performed successfully]
		INKEY 4.1.1	

PROACTIVE COMMAND: GET INKEY 4.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	characters from UCS2 alphabet, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter"

BER-TLV:	D0	11	81	03	01	22	03	82	02	81	82	8D
	06	04	45	6E	74	65	72					

TERMINAL RESPONSE: GET INKEY 4.1.1

Logically:

1
GET INKEY
characters from UCS2 alphabet, no help information available
ME
SIM
Command performed successfully
16 bit data UCS2 alphabet format
"Д"

Coding:

BER-TLV:	81	03	01	22	03	82	02	82	81	83	01	00
	8D	03	08	04	14							

27.22.4.2.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.2.5.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The ME screen shall be in its normal stand-by display.

27.22.4.2.5.4.2 Procedure

Expected Sequence 5.1(GET INKEY, "Yes/No" Response for the input, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: GET INKEY 5.1.1	
2	$ME\toSIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: GET INKEY 5.1.1	["Yes/No" Response, no help information available]
4	$ME\toUSER$	Display "Enter"	Text string coding in unpacked format
5	$USER \to ME$	Choice "Yes" and Completion	
6	$ME\toSIM$	TERMINAL RESPONSE: GET INKEY 5.1.1	[command performed successfully] Check if it is in accordance with the user choice (value '01' in the Text String data object)
7	$SIM\toME$	PROACTIVE COMMAND PENDING: GET INKEY 5.1.2	
8	$\text{ME} \rightarrow \text{SIM}$	FETCH	
9	$SIM\toME$	PROACTIVE COMMAND: GET INKEY 5.1.2	["Yes/No" Response, no help information available]
10	$ME \to USER$	Display "Enter Yes/No:"	Text string coding in unpacked format
11	$USER\toME$	Choice "No" and Completion	
12	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET INKEY 5.1.2	[command performed successfully] Check if it is in accordance with the user choice (value '00' in the Text String data object)

PROACTIVE COMMAND: GET INKEY 5.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	"Yes/No" Response, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter"

Coding:

BER-TLV:	D0	11	81	03	01	22	04	82	02	81	82	8D
	06	04	45	6E	74	65	72					

TERMINAL RESPONSE: GET INKEY 5.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	"Yes/No" Response, no help information available
Device identities	
Source device:	ME
Destination device:	SIM

Result

General Result: ——Text String	Command performed successfully
Data coding scheme:	unpacked, 8 bit data
Text: :	<u>"1"01 (hex)</u>

Coding:

BER-TLV:	81	03	01	22	04	82	02	82	81	83	01	00
	8D	02	04	01								

PROACTIVE COMMAND: GET INKEY 5.1.2: same as 5.1.1

TERMINAL RESPONSE: GET INKEY 5.1.2

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	"Yes/No" Response, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
————Text String	
Data coding scheme:	unpacked, 8 bit data
<u> </u>	<u>"0"00 (hex)</u>

Coding:

BER-TLV:	81	03	01	22	04	82	02	82	81	83	01	00
	8D	02	04	00								

27.22.4.2.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

27.22.4.2.6.4.2 Procedure

Expected Sequence 6.1A (GET INKEY, Basic icon, self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 6.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[BASIC-ICON self-explanatory for the Text
		INKEY 6.1.1	string]
4	$ME \rightarrow USER$	Display the BASIC-ICON for the	
		prompt	
			Text string coding in unpacked format
5	$USER \to ME$	Enter "+" and completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	Command performed successfully]
		INKEY 6.1.1A	

PROACTIVE COMMAND: GET INKEY 6.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	" <no-icon>"</no-icon>
Icon Identifier	
Icon qualifier:	self-explanatory
Icon identifier:	1 (number of record in EF_{Img})

Coding:

BER-TLV:	D0	19	81	03	01	22	00	82	02	81	82	8D
	0A	04	3C	4E	4F	2D	49	43	4F	4E	3E	1E
	02	00	01									

TERMINAL RESPONSE: GET INKEY 6.1.1A

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
———Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"+"

BER-TLV:	81	03	01	22	04<u>00</u>	82	02	82	81	83	01	00
	8D	02	04	2B								

Expected Sequence 6.1B (GET INKEY, Basic icon, self-explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 6.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[BASIC-ICON self-explanatory for the Text
		INKEY 6.1.1	string]
4	$ME \rightarrow USER$	Display " <no-icon>" for the</no-icon>	
		prompt without the icon	
			Text string coding in unpacked format
5	$USER\toME$	Enter "+" and completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	[Command performed successfully, but
		INKEY 6.1.1B	requested icon could not be displayed]

TERMINAL RESPONSE: GET INKEY 6.1.1B

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully but requested icon could not be displayed
————Text String	
Data coding scheme:	unpacked, 8 bit data
Text: :	"+"

Coding:

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	04
	8D	02	04	2B								

Expected Sequence 6.2A (GET INKEY, Basic icon, non self-explanatory, successful)

25T IDAOLO JOONI was apply surplayed and family family a
GET [BASIC-ICON non self-explanatory for the
Text string]
Ind
or the
Text string coding in unpacked format
ET [Command performed successfully]
ET [Command performed successfully]
5

PROACTIVE COMMAND: GET INKEY 6.2.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	" <basic-icon>"</basic-icon>
Icon Identifier	
Icon qualifier:	not self-explanatory
Icon identifier:	1 (number of record in EF _{Img})

Coding:

BER-TLV:	D0	1C	81	03	01	22	00	82	02	81	82	8D
	0D	04	3C	42	41	53	49	43	2D	49	43	4F
	4E	3E	1E	02	01	01						

TERMINAL RESPONSE: GET INKEY 6.2.1A

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
————Text String	
Data coding scheme:	unpacked, 8 bit data
Text:÷	"+"

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	00
	8D	02	04	2B								

Expected Sequence 6.2B (GET INKEY, Basic icon, non self-explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
2 3 4	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \\ \\ ME \rightarrow USER \end{array}$	PENDING: GET INKEY 6.2.1 FETCH PROACTIVE COMMAND: GET INKEY 6.2.1 Display " <basic-icon>" for the</basic-icon>	[BASIC-ICON non self-explanatory for the Text string]
		prompt without the icon	Text string coding in unpacked format
5	$USER\toME$	Enter the input "+" and completion	
6	$ME\toSIM$	TERMINAL RESPONSE: GET INKEY 6.2.1B	[Command performed successfully, but requested icon could not be displayed]

TERMINAL RESPONSE: GET INKEY 6.2.1B

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully but requested icon could not be displayed
Text String	
Data coding scheme:	unpacked, 8 bit data
<u>Text:</u>	"+"

Coding:

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	04
	8D	02	04	2B								

Expected Sequence 6.3A (GET INKEY, Colour icon, self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 6.3.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[COLOUR-ICON self-explanatory for the Text
		INKEY 6.3.1	string]
4	$ME \rightarrow USER$	Display the COLOUR-ICON for	
		the prompt	
			Teach ships a ships in successful damast
			Text string coding in unpacked format
5	$USER\toME$	Enter the input "+" and	
Ũ		completion	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	[Command performed successfully]
		INKEY 6.3.1A	

PROACTIVE COMMAND: GET INKEY 6.3.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	" <no-icon>"</no-icon>
Icon Identifier	
Icon qualifier:	self-explanatory
Icon identifier:	2 (number of record in EF _{Img})

Coding:

BER-TLV:	D0	1D	81	03	01	22	00	82	02	81	82	8D
	0A	04	3C	4E	4F	2D	49	43	4F	4E	3E	1E
	02	00	02									

TERMINAL RESPONSE: GET INKEY 6.3.1A

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text String	
Data coding scheme:	unpacked, 8 bit data
Text: :	"+"

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	00
	8D	02	04	2B								

Expected Sequence 6.3B (GET INKEY, Colour icon, self-explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 6.3.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[COLOUR-ICON self-explanatory for the Text
		INKEY 6.3.1	string]
4	$ME \rightarrow USER$	Display " <no-icon>"for the</no-icon>	
		prompt without the icon	
			Text string coding in unpacked format
_			
5	$USER \rightarrow ME$	Enter the input "+" and	
0			
6	$ME \rightarrow SIM$		[Command performed successfully, but
		INKEY 6.3.1B	requested icon could not be displayed]

TERMINAL RESPONSE: GET INKEY 6.3.1B

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully but requested icon could not be displayed
————Text String	
Data coding scheme:	unpacked, 8 bit data
Text:÷	"+"

Coding:

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	04
	8D	02	04	2B								

Expected Sequence 6.4A (GET INKEY, Colour icon, non self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 6.4.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: GET INKEY 6.4.1	[COLOUR-ICON non self-explanatory for the Text string]
4	$ME \to USER$	Display " <colour-icon>" and Display the COLOUR-ICON for the prompt</colour-icon>	
			Text string coding in unpacked format
5	$USER\toME$	Enter the input "+" and completion	
6	$ME\toSIM$	TERMINAL RESPONSE: GET INKEY 6.4.1A	[Command performed successfully]

PROACTIVE COMMAND: GET INKEY 6.4.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	" <colour-icon>"</colour-icon>
Icon Identifier	
Icon qualifier:	not self-explanatory
Icon identifier:	2 (number of record in EF _{Img})

Coding:

1

BER-TLV:	D0	1D	81	03	01	22	00	82	02	81	82	8D
	0F<u>0E</u>	04	3C	43	4F	4C	4F	55	52	2D	49	43
	4F	4E	3E	1E	02	01	02					

TERMINAL RESPONSE: GET INKEY 6.4.1A

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:÷	"+"

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	00
	8D	02	04	2B								

Expected Sequence 6.4B (GET INKEY, Colour icon, non self-explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 6.4.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[COLOUR-ICON non self-explanatory for the
		INKEY 6.4.1	Text string]
4	$ME \rightarrow USER$	Display " <colour-icon>" for</colour-icon>	
		the prompt without the icon	
			Toxt string coding in uppacked format
5		Enter the input "+" and	Text string coding in unpacked format
5		completion	
6	$ME \rightarrow SIM$		[Command performed successfully, but
		INKEY 6.4.1B	requested icon could not be displayed]

TERMINAL RESPONSE: GET INKEY 6.4.1B

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, no help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully but requested icon could not be displayed
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:÷	"+"

Coding:

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	04
	8D	02	04	2B								

27.22.4.2.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence $\underline{6.1A}$ to $\underline{6.4B}$.

27.22.4.2.7.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as Toolkit default-with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.2.7.4.2 Procedure

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET INKEY 7.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[digits only, help information available]
		INKEY 7.1.1	
4	$ME \rightarrow USER$	Display "Enter "+""	
			Text string coding in unpacked format
5	$USER\toME$	Press "help" key	
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: GET	[help info required]
		INKEY 7.1.1	
<u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: DISPLAY TEXT 7.1.1	
<mark>78</mark>	$ME \rightarrow SIM$	FETCH	
7<u>8</u> 8<u>9</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		DISPLAY TEXT 7.1.1(help info)	
<u>10</u>	$\underline{ME} \to \underline{USER}$	Display "Help information"	Text string coded in unpacked format
<u>10</u> <u>11</u>	$\underline{USER} \to \underline{ME}$	Clear Message	
<mark>912</mark>	$ME \rightarrow SIM$	TERMINAL RESPONSE:	
		DISPLAY TEXT (help info) 7.1.1	
<u>13</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE COMMAND	
		PENDING: GET INKEY 7.1.2	
1 <u>4</u> 0	$ME \rightarrow SIM$	FETCH	
1 <mark>15</mark>	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	[digits only, help information available]
		INKEY 7.1.2	
400		Diamlay "Easter ", ""	
1 <u>6</u> 2	$ME \rightarrow USER$	Display "Enter "+""	Depetition of act inkey
127		Enter the input ", " and	Repetition of get inkey
1 <mark>3</mark> 7	$USER \rightarrow ME$	Enter the input "+" and	
1 <mark>8</mark> 4	$ME \rightarrow SIM$	completion	[Command performed successfully]
104		INKEY 7.1.2	

Expected Sequence 7.1 (GET INKEY, help information available)

PROACTIVE COMMAND: GET INKEY 7.1.1

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter "+""

Coding:

BER-TLV:	D0	15	81	03	01	22	80	82	02	81	82	8D
	0A	04	45	6E	74	65	72	20	22	2B	22	

TERMINAL RESPONSE: GET INKEY 7.1.1

Logically:

Command details Command number: 1

Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, help information available
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Help information required by the user

Coding:

BER-TLV:	81	03	01	22	80	82	02	82	81	83	01	00<u>13</u>
----------	----	----	----	----	----	----	----	----	----	----	----	------------------------

PROACTIVE COMMAND : DISPLAY TEXT 7.1.1

Logically:

Command details	
Command number:	<u> </u>
Command type:	DISPLAY TEXT
Command qualifier:	normal priority, wait for user to clear message
Device identities	
Source device:	SIM
Destination device:	Display
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Help information"

Coding:

BER-TLV:	<u>D0</u>	<u>1C</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>21</u>	<u>80</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>02</u>	<u>8D</u>
	<u>11</u>	<u>04</u>	<u>48</u>	<u>65</u>	<u>6C</u>	<u>70</u>	<u>20</u>	<u>69</u>	<u>6E</u>	<u>66</u>	<u>6F</u>	<u>72</u>
	<u>6D</u>	<u>61</u>	<u>74</u>	<u>69</u>	<u>6F</u>	<u>6E</u>						

TERMINAL RESPONSE : DISPLAY TEXT 7.1.1

Command details	1
Command number:	<u> </u>
Command type:	DISPLAY TEXT
Command qualifier:	normal priority, wait for user to clear message
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

BER-TLV:	<u>81</u>	<u>03</u>	<u>01</u>	<u>21</u>	<u>80</u>	<u>82</u>	<u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>00</u>
----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

PROACTIVE COMMAND: GET INKEY 7.1.2

Logically:

Command details	
Command number:	1
Command type:	GET INKEY
Command qualifier:	digits (0-9, *, # and +) only, help information available
Device identities	
Source device:	SIM
Destination device:	ME
Text String	
Data coding scheme:	unpacked, 8 bit data
Text:	"Enter "+""

Coding:

BER-TLV:	D0	15	81	03	01	22	80	82	02	81	82	8D
	0A	04	45	6E	74	65	72	20	22	2B	22	

TERMINAL RESPONSE: GET INKEY 7.1.2

Logically:

Command details	
Command number: 1	
Command type: GET INKEY	
Command qualifier: digits (0-9, *, # and +) only,	help information available
Device identities	
Source device: ME	
Destination device: SIM	
Result	
General Result: Command performed success	sfully
———Text String	
Data coding scheme: unpacked, 8 bit data	
<u>Text:</u> : "+"	

Coding:

BER	-TLV:	81	03	01	22	00<u>80</u>	82	02	82	81	83	01	04
		8D	02	04	2B								

27.22.4.2.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 7.1.

	CHANGE REQUEST	CR-Form-v7
ж	11.10-4 CR A022 #rev - [#] Current ve	rsion: 8.4.0 [#]
For <u>HELP</u> or	n using this form, see bottom of this page or look at the pop-up te	kt over the X symbols.
Proposed chang	e affects: UICC apps#X ME X Radio Access Netw	ork Core Network
Title:	# Essential corrections to Set Up Menu test cases	
Source:	# T3	
Work item code:	₩ <mark>TEI Date:</mark>	# <u>22/08/2003</u>
Category:	F Release: Use <u>one</u> of the following categories: Use <u>one</u> of F (correction) 2 A (corresponds to a correction in an earlier release) R96 B (addition of feature), R97 C (functional modification of feature) R98 D (editorial modification) R99 Detailed explanations of the above categories can Rel-4 be found in 3GPP <u>TR 21.900</u> . Rel-5	R99 of the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)
Reason for chang	e: # [H1 • Tag byte of Device Identities TLV incorrect coded in • ENVELOPE 1.1.1: MENU SELECTION • ENVELOPE 1.2.1: MENU SELECTION • ENVELOPE 1.2.2: MENU SELECTION • ENVELOPE 1.2.3: MENU SELECTION	:

- ENVELOPE 2.1.1: MENU SELECTION
- ENVELOPE 1.2: MENU SELECTION : Tag byte of Device identities TLV incorrect coded and incorrect description number (should be 1.1.2)
- Test requirement does not refer to correct sequence numbers in:
 - o **27.22.4.8.1.5**
 - o **27.22.4.8.2.5**
 - o **27.22.4.8.3.5**
 - o **27.22.4.8.4.5**
 - o **27.22.4.8.5.5**
- The title of 27.22.4.8.2 doesn't reflect that this test includes a test of the envelope menu selection as well
- The test purpose clauses in 27.22.4.8.2.3, 27.22.4.8.3.3, 27.22.4.8.4.3 and 27.22.4.8.5.3 don't reflect that the test shall include a verification if the ME correctly includes the menu items contained in the SET UP MENU proactive SIM command, and returns a successful response in the TERMINAL RESPONSE command sent to the SIM and a verificaction if the ME correctly passes the identifier of the selected menu item to the SIM using the ENVELOPE (MENU SELECTION) command.

	 The test procedures in clauses 27.22.4.8.3.4.2, 27.22.4.8.4.4.2 and 27.22.4.8.5.4.2 don't verify if the the ME correctly passes the identifier of the selected menu item to the SIM using the ENVELOPE (MENU SELECTION) command.
	Expected Sequence 1.2: Numbering of steps incorrect
	• Expected Sequence 3.1: According to TS 11.14 it is not mandatory to indicate to the user the consequences of performing the selection of an item.
Summary of change: ¥	 Test title adjusted in: 27.22.4.8.1 27.22.4.8.2 27.22.4.8.3 27.22.4.8.4
	Test requirements corrected in:
	o 27.22.4.8.1.5
	o 27.22.4.8.2.5
	o 27.22.4.8.3.5 o 27.22.4.8.4.5
	0 21.22.4.0.4.3
	Test purposes enhanced in:
	0 27.22.4.8.2.3
	o 27.22.4.8.3.3
	o 27.22.4.8.4.3
	 Test procedures enhanced (includes insertion of ENVELOPE 3.1.1) by verification if the required ENVELOPE (menu selection) is sent by the ME in:
	 Expected Sequence 3.1
	• Expected Sequence 4.1A
	 Expected Sequence 4.1B Expected Sequence 4.2A
	 Expected Sequence 4.2A Expected Sequence 4.2B
	 Expected Sequence 5.1
	 Expected Sequence 3.1 adjusted in a way that the appearance of the next action indicator is no longer mandatory.
	Above listed errors corrected.
Consequences if % not approved:	The MEs will fail the tests due to incorrect test. Additionally most of the tests would allow the MEs to pass these tests (if the coding is corrected) without sending the ENVELOPE(menu selection) after a selection of an toolkit menu entry by the user.
Clauses affected: #	27.22.4.8.1, 27.22.4.8.1.4.2, 27.22.4.8.1.5, 27.22.4.8.2, 27.22.4.8.2.3, 27.22.4.8.2.4.2, 27.22.4.8.2.5, 27.22.4.8.3, 27.22.4.8.3.3, 27.22.4.8.3.4.2, 27.22.4.8.3.5, 27.22.4.8.4, 27.22.4.8.4.3, 27.22.4.8.4.4.2, 27.22.4.8.4.5, 27.22.4.8.5, 27.22.4.8.5.3, 27.22.4.8.5.4.2, 27.22.4.8.5.5
Other specs % affected:	Y N N Other core specifications % N Test specifications % N O&M Specifications
Other comments: ೫	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.8.1.4.2 Procedure

Expected Sequence 1.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[First Set Up Menu]
		PENDING: SET UP MENU 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND SET UP	
		MENU 1.1.1	
4	$ME \rightarrow USER$	Integrate the menu header of	
		"Toolkit Menu" into its menu system and have the menu items	
		of "Item 1", "Item 2", "Item 3" and	
		"Item 4" under this header.	
5	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
_		MENU 1.1.1	
6	$SIM\toME$	PROACTIVE SIM SESSION	
		ENDED	
7	$USER\toME$	Select the Toolkit Menu "Toolkit	
		Menu"	
8	$ME \rightarrow USER$	Display "Item 1", "Item 2", "Item 3", "Item 4"	
9	$USER \to ME$	Select the "Item 2" Menu entry	
3	$ME \rightarrow SIM$	Send the ENVELOPE 1.1.1:	
10		MENU SELECTION	
		(Identifier of item: 2)	
11	$SIM\toME$	PROACTIVE COMMAND	[Second Set Up Menu, REPLACE Old Menu]
		PENDING: SET UP MENU 1.1.2	
12	$ME\toSIM$	FETCH	
13	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
4.4		MENU 1.1.2	
14	$ME \rightarrow USER$	Integrate the new menu header of "Toolkit Menu" into its menu	
		system and have the menu items	
		of "One" and "Two" under this	
		header.	
15	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
		MENU 1.1.2	
16	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED Select the Toolkit Menu "Toolkit	
17	$USER \rightarrow ME$	Menu"	
18	$ME \rightarrow USER$	Display "One", "Two"	
19	USER \rightarrow ME	Select the "Two" menu entry	
-	$ME \rightarrow SIM$	Send the ENVELOPE 1.1.2:	
20		MENU SELECTION	
		(Identifier of item: 12)	
21	$SIM \to ME$	PROACTIVE COMMAND	[Third Set Up Menu, REMOVE Toolkit Menu]
		PENDING: SET UP MENU 1.1.3	
22	$\text{ME} \rightarrow \text{SIM}$	with SW1 / SW2 of '91 0F'. FETCH	
22	$ME \rightarrow SIM$ SIM $\rightarrow ME$	PROACTIVE COMMAND SET UP	
20		MENU 1.1.3	
24	$ME \rightarrow USER$	Remove the menu "Toolkit Menu"	
		from its menu system.	
25	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
	_	MENU 1.1.3	
26	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
I	l	ENDED	

ENVELOPE 1.1.1: MENU SELECTION

Logically:

Menu selection	
Device identities	
Source device:	Keypad
Destination device:	SIM
Item identifier	02

Coding:

BER-TLV:	D3	07	8 <mark>2</mark> 4	02	01	81	90	01	02

ENVELOPE 1.1.2: MENU SELECTION

Logically:

Menu selection

Device identities	
Source device:	Keypad
Destination device:	SIM
Item identifier	12

Coding:

 BER-TLV:
 D3
 07
 8482
 02
 01
 81
 90
 01
 12

Expected Sequence 1.2 (SET UP MENU, Large Menu with many items or with large items or with Large Alpha Identifier)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	[First Large Menu with many items, Fetch of
		PENDING: SET UP MENU 1.2.1	FF bytes]
2	$ME \to SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND SET UP MENU 1.2.1	
4	ME → USER	Integrate the new menu header of "LargeMenu1" into its menu system and have the menu items of "Zero", "One", "Two", Three", "Four", "Five", "Six", "Seven", "Eight", "Nine", "Alpha", "Bravo", "Charlie", "Delta", "Echo", "Fox- trot", "Black", "Brown", "Red", "Orange", "Yellow", "Green", "Blue", "Violet", "Grey", "White", "milli", "micro", "nano" and "pico" under this header.	
5	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SET UP MENU 1.2.1	[Command Performed Successfully]
6	$SIM\toME$	PROACTIVE SIM SESSION ENDED	
7	$USER\toME$	Select the Toolkit "LargeMenu1"	
8	$\text{ME} \rightarrow \text{USER}$	Display "Zero", "One", "Two" … "pico"	
9	$USER\toME$	Select the "Orange" menu entry	

C4	Dire et!	MERRAOF / Antin	Commonto
Step 10	$\begin{array}{l} \textbf{Direction} \\ \textbf{ME} \rightarrow \textbf{SIM} \end{array}$	MESSAGE / Action Send the ENVELOPE 1.2.1:	Comments
10		MENU SELECTION	
		(Identifier of item: 0x3D)	
11	$SIM \rightarrow ME$	PROACTIVE COMMAND	[Second Large Menu with large items, Fetch
		PENDING: SET UP MENU 1.2.2	of F6 bytes]
12	$ME\toSIM$	FETCH	
13	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
10		MENU 1.2.2	
14	$ME\toUSER$	Integrate the new menu header of	
		"LargeMenu2" into its menu	
		system and have the menu items	
		of "1 Call Forward Unconditional",	
		"2 Call Forward On User Busy", "3	
		Call Forward On No Reply", "4 Call	
		Forward On User Not Reachable",	
		"5 Barring Of All Outgoing Calls",	
		"6 Barring Of All Outgoing Int Calls" and "7 CLI Presentation"	
		under this header.	
15	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
		MENU 1.2.2	
16	$SIM\toME$	PROACTIVE SIM SESSION	
		ENDED	
17	$USER\toME$	Select the Toolkit Menu	
		"LargeMenu2"	
18	$\text{ME} \rightarrow \text{USER}$	Display "1 Call Forward	
		Unconditional", "2 Call Forward On	
		User Busy", "3 Call Forward On No	
		Reply", "4 Call Forward On User	
		Not Reachable", "5 Barring Of All Outgoing Calls", "6 Barring Of All	
		Outgoing Lais, '6 Barning Of All Outgoing Int Calls", "7 CLI	
		Presentation"	
19	$USER\toME$	Select the "5 Barring Of All	
		Outgoing Calls" menu entry	
20	$\text{ME} \rightarrow \text{SIM}$	Send the ENVELOPE 1.2.2:	
		MENU SELECTION	
		(Identifier of item: 0xFB)	
21	$SIM\toME$		[Third Large Menu with a Large Alpha
		PENDING: SET UP MENU 1.2.3	Identifier and only one Short Item, Fetch of FF
22	$\text{ME} \rightarrow \text{SIM}$	FETCH	bytes]
22	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
20		MENU 1.2.3	
24	$ME \rightarrow USER$	Integrate the new menu header of	
		" The SIM shall supply a set of	
		menu items, which shall be	
		integrated with the menu system	
		(or other MMI facility) in order to	
		give the user the opportunity to	
		choose one of these menu items at	
		his own discretion. Each item comprises a sh" into it's menu	
		system and have a menu item of	
		"Y" under this header.	
25	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
		MENU 1.2.3	
26	$SIM\toME$	PROACTIVE SIM SESSION	
		ENDED	
5 27	$USER\toME$	Select the Toolkit Menu "The SIM	
		shall supply a set of menu items,	
		which shall be integrated with the	
		menu system (or other MMI facility) in order to give the user the	
		opportunity to choose one of these	
		menu items at his own discretion.	
		Each item comprises a sh".	
. 1			· · ·

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Step	Direction	MESSAGE / Action	Comments
<u>28</u> 6	$ME \rightarrow USER$	Display "Y"	
<u>29</u> 7	$USER\toME$	Select the item "Y"	
<u>30</u> 8	$ME \to SIM$	Send the ENVELOPE 1.1.6:	
		MENU SELECTION	
		(Identifier of item: 1)	

ENVELOPE 1.2.1: MENU SELECTION

Logically:

Menu selection	
Device identities	
Source device:	Keypad
Destination device:	SIM
Item identifier	3D

Coding:

BE	R-TLV: D	8 <mark>2</mark> 4	02	01	81	90	01	3D

ENVELOPE 1.2.2: MENU SELECTION

Logically:

Menu selection	
Device identities	
Source device:	Keypad
Destination device:	SIM
Item identifier	FB

Coding:

1

ER-TLV:	BER-TLV:

ENVELOPE 1.2.3: MENU SELECTION

Logically:

Menu selection	
Device identities	
Source device:	Keypad
Destination device:	SIM
Item identifier	01

Coding:

BER-TLV:	D3	07	81<u>82</u>	02	01	81	90	01	01

The following table details the test requirements with relation to the tested features:

	Proactive SIM Command Facilities							
Proactive SIM Command Number	Alpha Identifier Length	Number of items	Maximum length of item					
1.1.1	12	4	6					
1.1.2	12	2	3					
1.1.3	10	0	-					
1.2.1	10	30	8					
1.2.2	10	7	37					
1.2.3	235	1	1					

27.22.4.8.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1 and in expected sequence 1.2.

27.22.4.8.2 SET UP MENU (help request support) and ENVELOPE MENU SELECTION

27.22.4.8.2.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive SIM command, and returns a successful response in the TERMINAL RESPONSE command sent to the SIM.

To verify that when the help is available for the command and the user <u>gas has</u> indicated the need to get help information on one of the items, the ME informs properly the SIM about an HELP REQUEST, using the MENU SELECTION mechanism.

To verify that the ME correctly passes the identifier of the selected menu item to the SIM using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.2.4.2 Procedure

Expected Sequence 2.1 (SET UP MENU and MENU SELECTION, with Help Request, Replace and Remove a Toolkit Menu)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	[First Set Up Menu]
		PENDING: SET UP MENU 2.1.1	
2		FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
		MENU 2.1.1	
4	$ME \rightarrow USER$	Integrate the menu header of	
		"Toolkit Menu" into its menu	
		system and have the menu items	
		of "Item 1", "Item 2", "Item 3" and "Item 4" under this header.	
5	$ME \rightarrow SIM$		[Command Performed Successfully]
5		MENU 2.1.1	
6	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
Ŭ		ENDED	
7	$USER \rightarrow ME$	Select the Toolkit Menu "Toolkit	
		Menu"	
8	$\text{ME} \rightarrow \text{USER}$	Display "Item 1", "Item 2", "Item 3",	
		"Item 4"	
9	$USER\toME$	Select the Help Request on	
		"Item 2" Menu entry	
10	$ME \to SIM$	Send the ENVELOPE 2.1.1:	
		MENU SELECTION	
		(Identifier of item: 2)	

ENVELOPE 2.1.1: MENU SELECTION

Logically:

Menu selection	
Device identities	
Source device:	Keypad
Destination device:	SIM
Item identifier	02
Help request tag	

Coding:

	D2	00	0100	00	01	04	00	01	00	15	00
BER-TLV:	03	09	01 02	02	01	01	90	01	02	15	00

27.22.4.8.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

27.22.4.8.3 SET UP MENU (next action support) and ENVELOPE MENU SELECTION

27.22.4.8.3.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive SIM command, and returns a successful response in the TERMINAL RESPONSE command sent to the SIM.

To verify that when the next action indicator is supported.

To verify that the ME correctly passes the identifier of the selected menu item to the SIM using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.3.4.2 Procedure

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[First Set Up Menu]
		PENDING: SET UP MENU 3.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
		MENU 3.1.1	
4	$ME \rightarrow USER$	Integrate the menu header of	
		"Toolkit Menu" into its menu	
		system and have the menu items	
		of "Item 1", "Item 2", "Item 3" and	
-		"Item 4" under this header.	Commence of Development of Commence (1991)
5	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
6		MENU 3.1.1 PROACTIVE SIM SESSION	
0	$SIM \rightarrow ME$	ENDED	
7	USER \rightarrow ME	Select the Toolkit Menu "Toolkit	
,		Menu"	
8	$ME \rightarrow USER$	Display "Item 1", "Item 2", "Item 3",	The ME may indicate to the user the
		"Item 4"	consequences of performing the selection of
			an item.
9	$USER \to ME$	Navigate in the items, then select	Check that next action indicators should
		"Item 2".	appear.
			The ME may indicate to the user the
			consequences of performing the selection of
			an item.
<u>10</u>	$ME \rightarrow SIM$	Send the ENVELOPE 3.1.1:	
		MENU SELECTION	
		(Identifier of item: 2)	

Expected Sequence 3.1 (SET UP MENU, next action indicator "Send SM", "Set Up Call", "Launch Browser", "Provide Local Information", successful)

ENVELOPE 3.1.1: MENU SELECTION

Logically:

Menu selection	
Device identities	
Source device:	Keypad
Destination device:	SIM
Item identifier	02

Coding:

<u>BER-TLV:</u> <u>D3</u> <u>07</u>	<u>82</u> <u>02</u>	<u>01</u> <u>81</u>	<u>90</u>	<u>01</u>	<u>02</u>		
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27.22.4.8.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

27.22.4.8.4 SET UP MENU (display of icons) and ENVELOPE MENU SELECTION

27.22.4.8.4.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive SIM command, and returns a successful response in the TERMINAL RESPONSE command sent to the SIM.

To verify that icons are displayed with the command Set Up Menu in the Alpha Identifier and Items Data Objects.

To verify that the ME correctly passes the identifier of the selected menu item to the SIM using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.4.4.2 Procedure

Expected Sequence 4.1A (SET UP MENU, BASIC ICON NOT SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[First Set Up Menu]
		PENDING: SET UP MENU 4.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
		MENU 4.1.1	
4	$ME \rightarrow USER$	Integrate the menu header of	
		"Toolkit Menu" into its menu	
		system and have the menu items	
		of "Item 1", "Item 2", "Item 3" under this header.	
5	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
5		MENU 4.1.1A	
6	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
, i i i i i i i i i i i i i i i i i i i		ENDED	
7	$USER \to ME$	Select the Toolkit Menu "Toolkit	Verify the icon is displayed with alpha id.
		Menu"	
8	$ME\toUSER$	Display "Item 1", "Item 2", "Item 3".	
9	$USER\toME$	Navigate in the items, then select	Verify icons are displayed for each item.
		"Item 2".	
<u>10</u>	$\underline{ME} \rightarrow \underline{SIM}$	Send the ENVELOPE 3.1.1:	
		MENU SELECTION	
		(Identifier of item: 2)	

PROACTIVE COMMAND: SET UP MENU 4.1.1

Command details	
Command number:	1
Command type:	SET UP MENU
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	ME
Alpha identifier:	"Toolkit Menu"
Item	
Identifier of item:	1
Text string of item:	"Item 1"
Item	
Identifier of item:	2
Text string of item:	"Item 2"
Item	
Identifier of item:	3
Text string of item:	"Item 3"
Icon identifier	
Icon qualifier:	icon is not self explanatory
Icon identifier:	record 1 EF (IMG)
Item icon identifier list	

Icon qualifier:	icon is not self explanatory
Icon identifier list:	record 5 EF (IMG), record 5 EF (IMG), record 5 EF (IMG)

BER-TLV:	D0	3C	81	03	01	25	00	82	02	81	82	85
	0C	54	6F	6F	6C	6B	69	74	20	4D	65	6E
	75	8F	07	01	49	74	65	6D	20	31	8F	07
	02	49	74	65	6D	20	32	8F	07	03	49	74
	65	6D	20	33	9E	02	01	01	9F	04	01	05
	05	05										

TERMINAL RESPONSE: SET UP MENU 4.1.1A

Logically:

Command details	
Command number:	1
Command type:	SET UP MENU
Command qualifier:	"no help information available"
Device identities	-
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	25	00	82	02	82	81	83	01	00

Expected Sequence 4.1B (SET UP MENU, BASIC ICON NOT SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: SET UP MENU 4.1.1	[First Set Up Menu]
2	$ME\toSIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND SET UP MENU 4.1.1	
4	$ME \to USER$	Integrate the menu header of "Toolkit Menu" into its menu system and have the menu items of "Item 1", "Item 2", "Item 3" under this header.	
5	$ME\toSIM$	TERMINAL RESPONSE: SET UP MENU 4.1.1B	[Command performed successfully, but requested icon could not be displayed]
6	$SIM\toME$	PROACTIVE SIM SESSION ENDED	
7	$USER\toME$	Select the Toolkit Menu "Toolkit Menu"	No icon is displayed with alpha id.
8		Display "Item 1", "Item 2", "Item 3".	
9	$USER \to ME$	Navigate in the items, then select "Item 2".	no icon is displayed for each item.
<u>10</u>	$\underline{ME} \to \underline{SIM}$	Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)	

TERMINAL RESPONSE: SET UP MENU 4.1.1B

Command details	
Command number:	1
Command type:	SET UP MENU
Command qualifier:	"no help information available"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully but requested icon could not be displayed

BER-TLV:	81	03	01	25	00	82	02	82	81	83	01	04

Expected Sequence 4.2A (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	[First Set Up Menu]
		PENDING: SET UP MENU 4.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
		MENU 4.2.1	
4	$ME \rightarrow USER$	Integrate the menu header of	
		"Toolkit Menu" into its menu	
		system and have the menu items	
		of "Item 1", "Item 2", "Item 3" under	
-		this header.	
5	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
		MENU 4.2. TA	
6	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
Ū		ENDED	
_	$USER \rightarrow ME$	Select the Toolkit Menu "Toolkit	Verify the icon is displayed in alpha id.
7		Menu"	
8	$\text{ME} \rightarrow \text{USER}$	Display "Item 1", "Item 2", "Item 3".	
9	$USER\toME$	Navigate in the items, then select	Verify icons are displayed for each item.
9		"Item 2".	
<u>10</u>	$ME \rightarrow SIM$	Send the ENVELOPE 3.1.1:	
		MENU SELECTION	
		(Identifier of item: 2)	

PROACTIVE COMMAND: SET UP MENU 4.2.1

Comr	nand details	
	Command number:	1
	Command type:	SET UP MENU
	Command qualifier:	"00"
Devic	e identities	
	Source device:	SIM
	Destination device:	ME
	Alpha identifier:	"Toolkit Menu"
Item		
	Identifier of item:	1
	Text string of item:	"Item 1"
Item		
	Identifier of item:	2
Thomas	Text string of item:	"Item 2"
Item	Identifier of item:	3

Text string of item:	"Item 3"
Icon identifier	
Icon qualifier:	icon is self explanatory
Icon identifier:	record 1 EF (IMG)
Item icon identifier list	
Icon qualifier:	icon is self explanatory
Icon identifier list:	record 5 EF (IMG), record 5 EF (IMG), record 5 EF (IMG)

BER-TLV:	D0	3C	81	03	01	25	00	82	02	81	82	85
	0C	54	6F	6F	6C	6B	69	74	20	4D	65	6E
	75	8F	07	01	49	74	65	6D	20	31	8F	07
	02	49	74	65	6D	20	32	8F	07	03	49	74
	65	6D	20	33	9E	02	00	01	9F	04	00	05
	05	05										

TERMINAL RESPONSE: SET UP MENU 4.2.1A

Logically:

Command details	
Command number:	1
Command type:	SET UP MENU
Command qualifier:	"no help information available"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	25	00	82	02	82	81	83	01	00

Expected Sequence 4.2B (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[First Set Up Menu]
		PENDING: SET UP MENU 4.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
		MENU 4.2.1	
4	$ME \rightarrow USER$	Integrate the menu header of	
		"Toolkit Menu" into its menu	
		system and have the menu items	
		of "Item 1", "Item 2", "Item 3" under	
_		this header.	
5	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
		MENU 4.2.1B	
6	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
0		IENDED	
7		Select the Toolkit Menu "Toolkit	No icon is displayed in alpha id.
		Menu"	No icon is displayed in alpha id.
8		Display "Item 1", "Item 2", "Item 3".	
9			no icon is displayed for each item.
3		"Item 2".	no icon is displayed for each lieff.
I	I		I I

<u>10</u>	$\underline{ME} \to \underline{SIM}$	Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)		
-----------	--------------------------------------	---	--	--

TERMINAL RESPONSE: SET UP MENU 4.2.1B

Logically:

Command details	
Command number:	1
Command type:	SET UP MENU
Command qualifier:	"no help information available"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully but requested icon could not be displayed

Coding:

BER-TLV:	81	03	01	25	00	82	02	82	81	83	01	04

27.22.4.8.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences 4.1A to and 4.2B.

27.22.4.8.5 SET UP MENU (soft keys support) and ENVELOPE MENU SELECTION

27.22.4.8.5.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive SIM command, and returns a successful response in the TERMINAL RESPONSE command sent to the SIM.

To verify that if soft key preferred is indicated in the command details and soft key for SET UP MENU is supported by the ME and the number of icon items does not exceed the number of soft keys available, then the ME displays those icons as soft key.

To verify that the ME correctly passes the identifier of the selected menu item to the SIM using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.5.4.2 Procedure

Step	Direction	MESSAGE / Action	Comments
1	$SIM \to ME$	PROACTIVE COMMAND	[First Set Up Menu]
		PENDING: SET UP MENU 5.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND SET UP	
		MENU 5.1.1	
4	$ME\toUSER$	Integrate the menu header of	
		"Toolkit Menu" into its menu	
		system and have the menu items	
		of "Item 1", "Item 2" under this	
_		header.	
5	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Command Performed Successfully]
		MENU 5.1.1	
6	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
_		ENDED	
7	$USER \to ME$	Select the Toolkit Menu "Toolkit	
0		Menu"	
8	$ME \rightarrow USER$		
9	$USER \to ME$	Navigate in the items, then select	Verify we can select items through soft keys
10		"Item 2".	
<u>10</u>	$\underline{ME} \rightarrow \underline{SIM}$	Send the ENVELOPE 3.1.1:	
		MENU SELECTION	
		(Identifier of item: 2)	

Expected Sequence 5.1 (SET UP MENU, SOFT KEY PREFERRED, successful)

PROACTIVE COMMAND: SET UP MENU 5.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP MENU
Command qualifier:	"01" (selection using soft key preferred)
Device identities	
Source device:	SIM
Destination device:	ME
Alpha identifier:	"Toolkit Menu"
Item	
Identifier of item:	1
Text string of item:	"Item 1"
Item	
Identifier of item:	2
Text string of item:	"Item 2"
U	

Coding:

BER-TLV:	D0	29	81	03	01	25	01	82	02	81	82	85
	0C	54	6F	6F	6C	6B	69	74	20	4D	65	6E
	75	8F	07	01	49	74	65	6D	20	31	8F	07
	02	49	74	65	6D	20	32					

TERMINAL RESPONSE: SET UP MENU 5.1.1

Command details	
Command number:	1
Command type:	SET UP MENU
Command qualifier:	"no help information available"

Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

BER-TLV: 8	31 03	01	25	00	82	02	82	81	83	01	00

27.22.4.8.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

			С	HANGE	ERE	QU	ES	SТ					CR-Form-v7
ж	11.	<mark>10-4</mark>	CR	A023	жrе	v	-	ж	Curre	nt ver	sion:	8.4.0	ж
For <mark>HELP</mark> or	using	this for	m, see k	oottom of this	s page	or lo	ok ai	t the	e pop-	up tex	t over	f the ೫ sy	mbols.
Proposed chang	e affeo	: <i>ts:</i> L	JICC ap	ps X X	ME	X F	Radio	o A	ccess	Netwo	ork	Core N	etwork
Title:	<mark>ж Es</mark>	sential	correctio	ons to Play	Tone te	est ca	ses						
Source:	<mark>ж Т</mark> З												
Work item code:	ж <mark>те</mark>	1							D	ate: 3	8 22	/08/2003	
Category:	Deta	F (corr A (corr B (ado C (fund D (edit ailed exp	ection) responds lition of fe ctional mo orial moo	odification of lification) s of the above	on in an feature,)		ease	Use 2) F F F F F F		f the fo (GSI (Rele (Rele (Rele (Rele (Rele	9 5)lowing rel M Phase 2) 5000000000000000000000000000000000000	
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- TERMINAL RESPONSE: PLAY TONE 1.1.10b ..1.1.10b: Numbering incorrect, should be TERMINAL RESPONSE: PLAY TONE 1.1.10b ..1.1.14b
- Test requirement incorrect (only one sequence available)

 Summary of change: #
 Above listed errors corrected.

 Consequences if
 #
 MEs will fail incorrect implemented test

Clauses affected:	# 27.22.4.5.4.2, 27.22.4.5.5
	YN
Other specs	೫ N Other core specifications ೫
affected:	N Test specifications
anecieu.	N O&M Specifications
Other comments:	#

How to create CRs using this form:

not approved:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.5.4.2 Procedure

Expected Sequence 1.1 (PLAY TONE)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY	
0		TONE 1.1.1	
4		-	
4	$ME \rightarrow USER$	Display "Dial Tone"	
		Play a standard supervisory dial	
		tone through the external ringer for	
		a duration of 5 s	
5	$ME \rightarrow SIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.1	
6	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
Ũ		ENDED	
7	$SIM \to ME$	PROACTIVE COMMAND	
1			
0		PENDING: PLAY TONE 1.1.2	
8	$ME \to SIM$	FETCH	
9	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.2	
10	$ME \rightarrow USER$	Display "Sub. Busy"	
-			
		Play a standard supervisory called	
		subscriber busy tone for a duration	
		of 5 s	
11	$ME \to SIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.2	
12	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	
13	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.3	
14	$ME \rightarrow SIM$	FETCH	
15	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY	
10		TONE 1.1.3	
16			
10	$ME \rightarrow USER$	Display "Congestion"	
		Play a standard supervisory	
		congestion tone for a duration of 5	
		S	
17	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.3	
18	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
-			
19		ENDED	
19	$SIM\toME$	ENDED PROACTIVE COMMAND	
-		ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4	
20	$ME\toSIM$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH	
-		ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY	
20 21	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4	
20	$ME\toSIM$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY	
20 21	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4	
20 21	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4	
20 21	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio	
20 21 22	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \end{array} \\ ME \rightarrow USER \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone	[Command performed successfully]
20 21	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone TERMINAL RESPONSE: PLAY	[Command performed successfully]
20 21 22 23	$\begin{array}{l} ME \rightarrow SIM\\ SIM \rightarrow ME\\\\ ME \rightarrow USER\\\\\\ ME \rightarrow SIM\\ \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone TERMINAL RESPONSE: PLAY TONE 1.1.4	[Command performed successfully]
20 21 22	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \end{array} \\ ME \rightarrow USER \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone TERMINAL RESPONSE: PLAY TONE 1.1.4 PROACTIVE SIM SESSION	[Command performed successfully]
20 21 22 23 24	$\begin{tabular}{l} ME \rightarrow SIM\\ SIM \rightarrow ME\\ \end{tabular}$ $\begin{tabular}{l} ME \rightarrow USER\\ \end{tabular}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone TERMINAL RESPONSE: PLAY TONE 1.1.4 PROACTIVE SIM SESSION ENDED	[Command performed successfully]
20 21 22 23	$\begin{array}{l} ME \rightarrow SIM\\ SIM \rightarrow ME\\\\ ME \rightarrow USER\\\\\\ ME \rightarrow SIM\\ \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone TERMINAL RESPONSE: PLAY TONE 1.1.4 PROACTIVE SIM SESSION ENDED PROACTIVE COMMAND	[Command performed successfully]
20 21 22 23 24	$\begin{tabular}{l} ME \rightarrow SIM\\ SIM \rightarrow ME\\ \end{tabular}$ $\begin{tabular}{l} ME \rightarrow USER\\ \end{tabular}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone TERMINAL RESPONSE: PLAY TONE 1.1.4 PROACTIVE SIM SESSION ENDED	[Command performed successfully]
20 21 22 23 24	$\begin{tabular}{l} ME \rightarrow SIM\\ SIM \rightarrow ME\\ \end{tabular}$ $\begin{tabular}{l} ME \rightarrow USER\\ \end{tabular}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone TERMINAL RESPONSE: PLAY TONE 1.1.4 PROACTIVE SIM SESSION ENDED PROACTIVE COMMAND	[Command performed successfully]
20 21 22 23 24 25	$\begin{array}{c} ME \rightarrow SIM\\ SIM \rightarrow ME\\\\ ME \rightarrow USER\\\\\\ ME \rightarrow SIM\\\\\\ SIM \rightarrow ME\\\\\\\\ SIM \rightarrow ME\\\\\\ \\ SIM \rightarrow ME\\\\\\ \end{array}$	ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.4 Display "RP Ack" Play a standard supervisory radio path acknowledgement tone TERMINAL RESPONSE: PLAY TONE 1.1.4 PROACTIVE SIM SESSION ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.5	[Command performed successfully]

Step	Direction	MESSAGE / Action	Comments
28	$ME \rightarrow USER$	Display "No RP"	
		Play a standard supervisory radio	
		path not available / call dropped tone for a duration of 5 s	
29	$ME \rightarrow SIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.5	[
30	$SIM\toME$	PROACTIVE SIM SESSION	
24			
31	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.6	
32	$ME \rightarrow SIM$	FETCH	
33	$SIM\toME$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.6	
34	$ME \rightarrow USER$	Display "Spec Info"	
		Play a standard supervisory error /	
		special information tone for a	
05		duration of 5 s	
35	$ME \rightarrow SIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
36	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	
37	$SIM\toME$	PROACTIVE COMMAND	
38	$ME \rightarrow SIM$	PENDING: PLAY TONE 1.1.7 FETCH	
30	$ME \rightarrow SIM$ SIM $\rightarrow ME$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.7	
40	$\text{ME} \rightarrow \text{USER}$	Display "Call Wait"	
		Play a standard supervisory call	
		waiting tone for a duration of 5 s	
41	$ME \to SIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.7	
42	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
43	$SIM \rightarrow ME$	ENDED PROACTIVE COMMAND	
r U		PENDING: PLAY TONE 1.1.8	
44	$ME\toSIM$	FETCH	
45	$SIM\toME$	PROACTIVE COMMAND: PLAY	
46	$ME \rightarrow USER$	TONE 1.1.8 Display "Ring Tone"	
0			
		Play a standard supervisory	
47		ringing tone for duration of 5 s	Commond portormed evenes full 1
47	$ME \rightarrow SIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
48	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	
49	$USER\toME$	Set up a voice call	User dials 123456789 to connect to the
50	$ME \rightarrow Network$	Establish voice call	network manually] [Voice call is established]
51	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.9	
52	$ME \rightarrow SIM$	FETCH	
53	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY	
54	$ME \rightarrow USER$	TONE 1.1.9 Display "Dial Tone"	
		Superimpose the standard	
		supervisory dial tone on the audio	
55	$ME \rightarrow SIM$	downlink for the duration of 5 s TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.9	
56	$SIM\toME$	PROACTIVE SIM SESSION	
I	l	ENDED	

Step	Direction	MESSAGE / Action	Comments
57	SIM \rightarrow ME	PROACTIVE COMMAND	
	0	PENDING: PLAY TONE 1.1.10	
58	$ME\toSIM$	FETCH	
59	$SIM\toME$	PROACTIVE COMMAND: PLAY	
60	$ME \rightarrow USER$	TONE 1.1.10 Display "This command instructs	
00		the ME to play an audio tone.	
		Upon receiving this command, the	
		ME shall check if it is currently in,	
		or in the process of setting up (SET-UP message sent to the	
		network, see GSM"04.08"(8)), a	
		speech call If the ME I"	
61	$ME \rightarrow SIM$	Play a general beep TERMINAL RESPONSE: PLAY	[Command performed successfully]
01		TONE 1.1.10a	
		or	or
		TERMINAL RESPONSE: PLAY	[Command beyond ME's capabilities]
62	$SIM \rightarrow ME$	TONE 1.1.10b PROACTIVE SIM SESSION	
02		ENDED	
63	$SIM\toME$	PROACTIVE COMMAND	
64		PENDING: PLAY TONE 1.1.11 FETCH	
65	$\begin{array}{l} ME \rightarrow SIM \\ SIM \rightarrow ME \end{array}$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.11	
66	$\text{ME} \rightarrow \text{USER}$	Display "Beep"	
		Play a ME proprietory general	
		Play a ME proprietary general beep	
67	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.11a	
		Or TERMINAL RESPONSE: PLAY	or [Command beyond ME's capabilities]
		TONE 1.1.11b	
68	$SIM\toME$	PROACTIVE SIM SESSION	
60			
69	$SIM\toME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.12	
70	$ME\toSIM$	FETCH	
71	$SIM\toME$	PROACTIVE COMMAND: PLAY	
70		TONE 1.1.12 Display "Positivo"	
72	$ME \to USER$	Display "Positive"	
		Play a ME proprietary positive	
70		acknowledgement tone	
73	$ME\toSIM$	TERMINAL RESPONSE: PLAY TONE 1.1.12a	[Command performed successfully]
		or	or
		TERMINAL RESPONSE: PLAY	[Command beyond ME's capabilities]
74	0114	TONE 1.1.12b	
74	$SIM \rightarrow ME$	PROACTIVE SIM SESSION ENDED	
75	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.13	
76 77	$ME \rightarrow SIM$		
77	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY TONE 1.1.13	
78	$\text{ME} \rightarrow \text{USER}$	Display "Negative"	
		Play a ME proprietary negative acknowledgement tone	
1			I

Step	Direction	MESSAGE / Action	Comments
79	$ME \rightarrow SIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
10		TONE 1.1.13a	
		or	or
		TERMINAL RESPONSE: PLAY	[Command beyond ME's capabilities]
		TONE 1.1.13b	
80	$SIM\toME$	PROACTIVE SIM SESSION	
		ENDED	
81	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.14	
82	$ME \rightarrow SIM$		
83	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY	
84	$ME \rightarrow USER$	Display "Quick"	
07		Display Quick	
		Play a ME proprietary general	
		beep	
85	$ME\toSIM$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.14a	
		or	or
		TERMINAL RESPONSE: PLAY	[Command beyond ME's capabilities]
86	$SIM \rightarrow ME$	TONE 1.1.14b PROACTIVE SIM SESSION	
00		ENDED	
87	$SIM \rightarrow ME$	PROACTIVE COMMAND	
0.		PENDING: PLAY TONE 1.1.15	
88	$ME \rightarrow SIM$	FETCH	
89	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.15	
90	$ME\toUSER$	Display " <abort>"</abort>	
		Play a ME Error / Special information tone for 1 minute until	
		user aborts this command	
91	$ME \to SIM$	TERMINAL RESPONSE: PLAY	[Proactive SIM session terminated by the
01		TONE 1.1.15	user]
92	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	1
		ENDED	
93	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.16	
94	$ME \rightarrow SIM$	FETCH	
95	$SIM \rightarrow ME$	PROACTIVE COMMAND: PLAY	[No alpha identifier, no tone tag, no duration
96	$ME \rightarrow User$	TONE 1.1.16 ME plays general beep, or if not	tag] [ME uses default duration defined by
30		supported any (defined by ME-	ME-manufacturer]
		manufacturer) other supported	
		tone	
97	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: PLAY	[Command performed successfully], [ME uses
		TONE 1.1.16	general beep, or if not supported any (defined
			by ME-manufacturer) other supported tone,
			uses default duration defined by
00			ME-manufacturer]
98	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	

PROACTIVE COMMAND: PLAY TONE 1.1.7

Logically:

Command details Command number: 1 Command type: PLAY TONE

Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Earpiece
Alpha identifier:	"Call Wait"
Tone:	Standard supervisory tones: call waiting tone
Duration	
Time unit:	Seconds
Time interval:	5

1

BER-TLV	: D0	1B	81	03	01	20	00	82	02	81	03	85
	09	43	61	6C	6C	20	57	71<u>61</u>	69	74	8E	01
	07	84	02	01	05							

PROACTIVE COMMAND: PLAY TONE 1.1.15

Logically:

Command details	
Command number:	1
Command type:	PLAY TONE
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Earpiece
Alpha identifier:	" <abort>"</abort>
Tone:	Standard supervisory tones: Error / Special information
Duration	
Time unit:	Minutes
Time interval:	1

Coding:

BER-TLV:	D0	19	81	03	01	20	00	82	02	81	03	85
	07	3B 3	41	42	4F	52	54	3E	8E	01	06	84
	02	00	01									

TERMINAL RESPONSE: PLAY TONE 1.1.10b ..1.1.104b

Logically:

Command details Command number: 1 Command type: PLAY TONE Command qualifier: "00" Device identities Source device: ME Destination device: SIM Result

General Result: Command beyond ME's capabilities

Coding:

BER-TLV: 81 03	01 20 00	82 02 82	81 83	01 30
----------------	----------	----------	-------	-------

27.22.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

CR page 1

Tdoc **#T3-030711**

									CR-F	orm-v			
CHANGE REQUEST													
ж	11.10-	4 CR	A024	жrev	-	ж	Current vers	sion: 8.4	. 0 [#]				
For <u>HELP</u> on	using this f	orm, see l	bottom of thi	s page or	look	at the	e pop-up text	over the 🕊	symbol	s.			
	-								-				
Proposed change	affects.	UICC ap		MEX	Rad	dio Ai	ccess Netwo	rk Cor	e Netwo	rk			
roposed ondinge		0100 up			- nut				e netwo				
Title:	₭ Essenti	al correcti	ons to Poll Ir	ntervall tes	st cas	se							
Source:	€ T 3												
Nork item code:	# TEI						Date: #	22/08/20	03				
	-												
Category:	₩ <mark>F</mark>						Release: #						
			ving categorie	s:				the following		s:			
	,	orrection)					2	(GSM Phas					
			s to a correctio	on in an ea	rlier re	elease		(Release 19	,				
		ddition of f		(R97	(Release 19	,				
			odification of	teature)			R98	(Release 19	,				
	,	ditorial mo	,				R99	(Release 19	,				
			s of the above	e categorie	s can		Rel-4	(Release 4)					
	be tound	in 3GPP <mark>TI</mark>	<u> × 21.900</u> .				Rel-5	(Release 5))				

Reason for change: a	 TERMINAL RESPONSE : POLL INTERVAL 1.1.1: Tag indicating Duration TLV coded as Device Identities and command type coding incorrect. Test requirement refers to incorrect sequence number.
Summary of change: ३	Correction of Duration TLV tag and test requirement.
Consequences if and approved:	ME will fail test due to incorrect acceptance criteria
Clauses affected:	27.22.4.6.4.2, 27.22.4.6.5
Other specs affected:	YN
Other comments: \$	ß

Rel-6

(Release 6)

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.6.4.2 Procedure

Expected Sequence 1.1 (POLL INTERVAL, Seconds)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: POLL INTERVAL 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: POLL	[Duration: 20 seconds]
		INTERVAL 1.1.1	
4	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: POLL	[Command performed successfully]
		INTERVAL 1.1.1	
5	ME	ME polls in intervals of 20 seconds	

PROACTIVE COMMAND : POLL INTERVAL 1.1.1

Logically:												
Command d	etails											
Comman	d number:		1									
Comman	d type:		PC	POLL INTERVAL								
Comman	d qualifier:		"00	0"								
Device ident	ities											
Source d	evice:		SI	М								
Destinati	on device:		ME									
Duration												
Time uni	t:		Se	conds								
Time inte	erval:		20									
Coding:												
BER-TL	V: D0 02	0D 01	81 14	03	01	03	00	82	02	81	82	84

TERMINAL RESPONSE: POLL INTERVAL 1.1.1

Logically:

Command details	
Command number:	1
Command type:	POLL INTERVAL
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Duration	
Time unit:	Seconds
Time interval:	20

Coding:

BER-TLV:	81	03	01	02<u>03</u>	00	82	02	82	81	83	01	00
	<mark>82<mark>84</mark></mark>	02	01	14								

The ME shall operate in the manner defined in expected sequence $\underline{1.1}$.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#***T***3***-0***3***07***1***2*

											CR-Form-
CHANGE REQUEST											
ж	1	1.10-4	CR	A029	жrev	-	ж	Current vers	sion:	8.4.0	ж
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.											
Proposed chang	e al	ffects	IICC ar	ps # X	MEX	Rad	dio A	ccess Netwo	rk	Core Ne	etwork
roposca chang	c ai		0100 ap			- Nat					
Title:	Ж	Essential	correcti	ons to Senc	SS test c	ases					
0											
		T O									
Source:	ж	T3									
		-						Date: #	22/(18/2003	
		T3 TEI						Date: ೫	22/(08/2003	
Work item code:	ж	-						Date: ¥ Release: ¥			
Work item code:	ж Ж	TEI F Use <u>one</u> of		ving categorie	es:				R99 the fol) llowing rele	eases:
Work item code:	ж Ж	TEI F Use <u>one</u> of F (con	rection)					Release: ೫ Use <u>one</u> of 2	R99 the fol (GSM) llowing relé 1 Phase 2)	eases:
Work item code:	ж Ж	TEI F Use <u>one</u> of F (con A (cor	rection) responds	s to a correcti		rlier re	eleas	Release: % Use <u>one</u> of 2 e) R96	R99 the fol (GSM (Relea) llowing rele 1 Phase 2) ase 1996)	eases:
Work item code:	ж Ж	TEI F Jse <u>one</u> of F (con A (cor B (add	rection) responds dition of f	s to a correcti eature),	ion in an ea	rlier re	eleas	Release: # Use <u>one</u> of 2 e) R96 R97	R99 the fol (GSM (Relea (Relea) llowing rele 1 Phase 2) ase 1996) ase 1997)	eases:
Work item code:	ж Ж	TEI F Jse <u>one</u> of F (con A (cor B (add	rection) responds dition of f	s to a correcti	ion in an ea	rlier re	eleas	Release: % Use <u>one</u> of 2 e) R96	R99 the fol (GSM (Relea (Relea) llowing rele 1 Phase 2) ase 1996)	ases:
Work item code:	¥ ¥	TEI F Use <u>one</u> of F (cor A (cor B (add C (fun D (edi	rection) responds dition of f ctional m torial mo	s to a correcti eature), nodification of dification)	ion in an ea [:] feature)			Release: # Use <u>one</u> of 2 e) R96 R97	R99 the fol (GSM (Relea (Relea (Relea (Relea) llowing rele 1 Phase 2) ase 1996) ase 1997) ase 1998) ase 1999)	ases:
Work item code:	ж ж (TEI F Use <u>one</u> of F (cor A (cor B (add C (fun D (edi Detailed exp	rection) responds dition of f octional mo torial mo planation	s to a correcti eature), nodification of dification) us of the abov	ion in an ea [:] feature)			Release: % Use <u>one</u> of 2 e) R96 R97 R98	R99 the fol (GSM (Relea (Relea (Relea (Relea) llowing rele 1 Phase 2) ase 1996) ase 1997) ase 1998)	eases:
Source: Work item code: Category:	ж ж (TEI F Use <u>one</u> of F (cor A (cor B (add C (fun D (edi	rection) responds dition of f octional mo torial mo planation	s to a correcti eature), nodification of dification) us of the abov	ion in an ea [:] feature)			Release: % Use <u>one</u> of 2 e) R96 R97 R98 R99	R99 the fol (GSM (Relea (Relea (Relea (Relea (Relea) llowing rele 1 Phase 2) ase 1996) ase 1997) ase 1998) ase 1999)	eases:

ĺ	Reason for change: %	 PROACTIVE COMMAND: SEND SS 1.4.1: Incorrect length indicated in SS String TLV
1		 TERMINAL RESPONSE : SEND SS 1.5.1: Incorrect length in Result TLV indicated
I		 PROACTIVE COMMAND : SEND SS 2.1.1 and PROACTIVE COMMAND: Send SS 2.3.1: Incorrect coding of Alpha Identifier TLV (this TLV shall not include a DCS-byte) and therefore incorrect value of Alpha Identifier and BER-TLV length bytes.
I		 PROACTIVE COMMAND : SEND SS 2.2.1: length bytes of proactive command and alpha identifier TLV missing
I		 Test requirement clause refers to incorrect sequence numbers in: 27.22.4.11.1.5 27.22.4.11.2.5 (twice)
		 Test for SEND SS (Icon support) and SEND SS (UCS2 support) have the same chapter numbers
i	0	
	Summary of change: #	Above listed errors corrected. Editorial modfication to 27.22.4.11. New chapter numbers for tests related to SEND SS (UCS2 support)
	Consequences if % not approved:	ME will fail tests due to incorrect coded tests. Different tests with the same chapter numbers.

Clauses affected:	ж	27.22.4.11, 27.22.4.11.1.4.2, 27.22.4.11.1.5, 27.22.4.11.2.4.2, 27.22.4.11.2.5,
		27.22.4.11.2.4.2, 27.22.4.11.2.5,
		second occurence of:
		• 27.22.4.11.2
		• 27.22.4.11.2.1
		• 27.22.4.11.2.2
		• 27.22.4.11.2.3
		• 27.22.4.11.2.4
		• 27.22.4.11.2.4.1
		• 27.22.4.11.2.4.2
		• 27.22.4.11.2.5
Other specs	ж	Y N N Other core specifications %
affected:	~	N Test specifications
		N O&M Specifications
Other comments:	ж	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.11 SEND SS

Continuous length error in T.R. Result field.

27.22.4.11.1.4.2 Procedure

Expected Sequence 1.4 (SEND SS, call forward unconditional, all bearers, successful, SS request size limit)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: SEND SS 1.4.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: SEND SS 1.4.1	
4	$ME \rightarrow USER$	Display "Call Forward"	
5	$ME \to SS$	REGISTER 1.2	
6	$SS\toME$	RELEASE COMPLETE (SS RETURN RESULT) 1.2	[Successful]
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND SS 1.4.1	

PROACTIVE COMMAND: SEND SS 1.4.1

Logically:

Command details	
Command number:	1
Command type:	SEND SS
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Network
——Alpha identifier:	"Call Forward"
SS String	
TON:	International
NPI:	"ISDN / telephone numbering plan"
SS string:	"**21*+012345678901234567890123456789012345678901234567*11#"

Coding:

BER-TLV:	D0	32	81	03	01	11	00	82	02	81	83	85
	0C	43	61	6C	6C	20	46	6F	72	77	61	72
	64	89	1A<u>19</u>	91	AA	12	0A	21	43	65	87	09
	21	43	65	87	09	21	43	65	87	09	21	43
	65	A7	11	FB								

Expected Sequence 1.5 (SEND SS, interrogate CLIR status, successful, alpha identifier limits)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND PENDING: SEND SS 1.5.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND SS 1.5.1	
4		Display "Even if the Fixed Dialling Number service is enabled, the supplementary service control string included in the SEND SS proactive command shall not be checked against those of the FDN list. Upon receiving this command, the ME shall deci"	
5	$ME\toSS$	REGISTER 1.3	
6	$SS\toME$	RELEASE COMPLETE (SS RETURN RESULT) 1.3	[Successful]
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND SS 1.5.1	

TERMINAL RESPONSE: SEND SS 1.5.1

Command details	
Command number:	1
Command type:	SEND SS
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Additional information	
Operation Code:	SS Code
Parameters:	SS Return Result

BER-TLV:	81	03	01	11	00	82	02	82	81	03	01<u>0A</u>
	00	0E	A4	06	04	01	06	0A	01	02	

27.22.4.11.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1, 2, 3, 4, 5 and to 1.6.

-27.22.4.11.2.4.2 Procedure

Expected Sequence 2.1A (SEND SS, call forward unconditional, all bearers, successful, basic icon self explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
		SS 2.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND SS 2.1.1	[BASIC-ICON, self-explanatory]
4	$ME \rightarrow USER$	Display the icon without the alpha identifier	
5	$ME \rightarrow SS$	REGISTER 1.1	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS RETURN	[Successful]
		RESULT) 1.1	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND SS 2.1.1A	[Command performed successfully]

PROACTIVE COMMAND: SEND SS 2.1.1

Logically:

Command details	
Command number:	1
Command type:	SEND SS
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Network
——————————————————————————————————————	"Basic Icon"
SS String	
TON:	International
NPI:	"ISDN / telephone numbering plan"
SS string:	"**21*+01234567890123456789#"
Icon Identifier:	
Icon qualifier:	icon is self-explanatory
Icon Identifier:	record 1 in EF _(IMG)

Coding:

BER-TLV:	D0	2 <mark>A9</mark>	81	03	01	11	00	82	02	81	83	85
	<u> 080</u>	<u>42</u> 04	<u>61</u> 42	<u>73</u> 61	<u>69</u> 73	<u>63</u> 69	<u>20</u> 63	<u>49</u> 20	<u>63</u> 49	<u>6F</u> 63	<u>66</u> 6	<u>89</u> 6E
	<u>A</u>											
	0E89	<u>910</u> €	AA9	<u>12</u> A	0A12	21 <mark>0A</mark>	<u>4321</u>	<u>65</u> 43	87 <mark>65</mark>	<mark>0987</mark>	<u>2109</u>	<u>4321</u>
			4	A								
	<u>65</u> 43	<u>87</u> 65	<u>B9</u> 87	<u>9E</u> B	<u>02</u> 9E	<u>00</u> 02	<u>01</u> 00	01				
				9								

TERMINAL RESPONSE: SEND SS 2.1.1A

Logically:

Command details	
Command number:	1
Command type:	SEND SS
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

Coding:

BER-TLV:	81	03	01	11	00	82	02	82	81	03	1E
	00	0A	A0	1A	04	01	21	30	15	30	13
	83	01	00	84	01	07	85	0B	91	10	32
	54	76	98	10	32	54	76	98			

Expected Sequence 2.2A (SEND SS, call forward unconditional, all bearers, successful, colour icon self explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 2.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[COLOUR-ICON, self-explanatory]
		SS 2.2.1	
4	$ME \rightarrow USER$	Display the icon	
5	$ME \rightarrow SS$	REGISTER 1.1	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1	
7	$ME \rightarrow SIM$	TERMINAL RESPÓNSE: SEND	[Command performed successfully]
		SS 2.1.1A	

PROACTIVE COMMAND: SEND SS 2.2.1

Logically:

Command details	
Command number:	1
Command type:	SEND SS
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Network
——————————————————————————————————————	"Colour Icon"
SS String	
TON:	International
NPI:	"ISDN / telephone numbering plan"
SS string:	"**21*+01234567890123456789#"
Icon Identifier:	
Icon qualifier:	icon is self-explanatory
Icon Identifier:	record 2 in EF _(IMG)

BER-TLV:	D0	<u>2A</u>	81	03	01	11	00	82	02	81	83	85
	<u>0B</u>	43	6F	6C	6F	75	72	20	49	63	6F	6E
	89	0E	91	AA	12	0A	21	43	65	87	09	21
	43	65	87	B9	9E	02	00	02				

Expected Sequence 2.3A (SEND SS, call forward unconditional, all bearers, successful, basic icon non self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 2.3.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[BASIC-ICON, non self-explanatory]
		SS 2.3.1	
4	$\text{ME} \rightarrow \text{USER}$	Display "Basic Icon" and the icon	
5	$ME \to SS$	REGISTER 1.1	
6	$SS\toME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1	
7	$ME \rightarrow SIM$	TERMINAL RESPÓNSE: SEND	[Command performed successfully]
		SS 2.1.1A	

PROACTIVE COMMAND: SEND SS 2.3.1

Logically:

Command details	
Command number:	1
Command type:	SEND SS
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Network
——————————————————————————————————————	
Data coding scheme:	unpacked, 8 bit data
Text:	"Basic Icon"
SS String	
TON:	International
NPI:	"ISDN / telephone numbering plan"
SS string:	"**21*+01234567890123456789#"
Icon Identifier	
Icon qualifier:	icon is non self-explanatory
Icon Identifier:	record 1 in EF _(IMG)

Coding:

BER-TLV:	D0	2 <mark>A9</mark>	81	03	01	11	00	82	02	81	83	85
	<u>өво</u> <u>А</u>	<u>42</u> 04	<u>61</u> 4 2	<u>73</u> 61	<u>69</u> 73	<u>63</u> 69	<u>20</u> 63	<u>49</u> 20	<u>63</u> 49	<u>6F</u> 63	<u>6E</u> 6F	<u>89</u> 6E
	<u>0E</u> 89	<u>91</u> 0E	<u>AA</u> 9 1	<u>12</u> A A	<u>0A</u> 12	<u>21</u> 0A	<u>43</u> 21	<u>65</u> 43	<u>87</u> 65	<u>09</u> 87	<u>21</u> 09	<u>43</u> 21
	<u>65</u> 43	<u>87</u> 65	<u>B9</u> 87	<u>9E</u> B 9	<u>02</u> 9E	<u>0102</u>	<u>01</u> 01	01				

27.22.4.11.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1A to 2.4.

27.22.4.11.23 SEND SS (UCS2 support)

27.22.4.11.23.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.23.2 Conformance requirement

The ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in: ISO/IEC 10646 [17].

27.22.4.11.<u>23</u>.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND SS proactive SIM command, and returns a successful result in the TERMINAL RESPONSE command send to the SIM.

27.22.4.11.23.4 Method of test

27.22.4.11.23.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as SIM Application Toolkit default. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the System Simulator.

27.22.4.11.23.4.2 Procedure

Expected Sequence 3.1 (SEND SS, call forward unconditional, all bearers, successful, UCS2 text)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 3.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	
		SS 3.1.1	
4	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	$ME \to SS$	REGISTER 1.1	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1	
7	$ME \rightarrow SIM$	TERMINAL RESPÓNSE: SEND	[Command performed successfully]
		SS 1.1.1	

PROACTIVE COMMAND: SEND SS 3.1.1

Command details	
Command number:	1
Command type:	SEND SS
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Network

CR page 8

Alpha Identifier	
Data coding scheme:	UCS2 (16bit)
Text:	"ЗДРАВСТВУЙТЕ"
SS String	
TON:	International
NPI:	"ISDN / telephone numbering plan"
SS string:	"**21*+01234567890123456789#"

BER-TLV:	D0	34	81	03	01	11	00	82	02	81	83	85
	19	80	04	17	04	14	04	20	04	10	04	12
	04	21	04	22	04	12	04	23	04	19	04	22
	04	15	89	0E	91	AA	12	0A	21	43	65	87
	09	21	43	65	87	B9						

27.22.4.11.<u>23</u>.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.1.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#T3-030713**

							CR-Form-v7					
CHANGE REQUEST												
ж	11.10-4 CF	R A031	жrev	_ *	Current vers	^{ion:} 8.4.0	ж					
For <u>HELP</u> on	using this form, s	ee bottom of this	s page or l	look at t	he pop-up text	over the syr	nbols.					
Proposed change	affects: UICC	apps # X	MEX	Radio	Access Networ	k Core Ne	etwork					
r roposcu onunge				r tudio i								
Title:	Essential corre	ections to Send	USSD tes	t cases								
Source:	₩ Т3											
Source.												
Work item code:	# TEI				Date: ೫	22/08/2003						
Category:	ж <mark>F</mark>				<i>Release:</i>	R99						
		ollowing categories	s:			the following rele	eases:					
	F (correctio				2	(GSM Phase 2)						
		onds to a correctio	on in an ear	lier relea		(Release 1996)						
	B (addition		facture		R97	(Release 1997)						
	· ·	al modification of 1 modification)	ealure)		R98 R99	(Release 1998) (Release 1999)						
		tions of the above	categories	can	R99 Rel-4	(Release 1999) (Release 4)						
	be found in 3GPI		oulegones	Gan	Rel-5	(Release 5)						
					Rel-6	(Release 6)						

Reason for change: %	 Data coding scheme in Text String TLV indicates "Message class 0". Should indicate "no message class meaning" in: TERMINAL RESPONSE: SEND USSD 1.1.1 TERMINAL RESPONSE: SEND USSD 2.1.1A TERMINAL RESPONSE: SEND USSD 2.1.1B TERMINAL RESPONSE: SEND USSD 3.1.1 Incorrect coding of DCS (reserved coding groups used) in Text String TLV in: TERMINAL RESPONSE: SEND USSD 1.2.1 TERMINAL RESPONSE : SEND USSD 1.2.1 TERMINAL RESPONSE : SEND USSD 1.2.1 TERMINAL RESPONSE : SEND USSD 1.3.1 TERMINAL RESPONSE : SEND USSD 1.4.1: Additional information byte of Result TLV shall be 47 to indicate "unknown alphabet" The Alpha Identifier TLV shall not contain a DCS byte. As a consequence of this the length of the Alpha Identifier TLV and the of the BER-TLV are incorrect in: PROACTIVE COMMAND: SEND USSD 2.1.1 PROACTIVE COMMAND: SEND USSD 2.3.1
Summary of change: #	Above listed errors corrected
Consequences if # not approved:	ME will fail incorrect implemented tests.

Clauses affected:	£ 27.22.4.12.1.4.2, 27.22.4.12.2.4.2, 27.22.4.12.3.4.2
Other specs affected:	Y N % 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.12.1.4.2 Procedure

Expected Sequence 1.1 (SEND USSD, 7-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 1.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: SEND	
		USSD 1.1.1	
4	$ME \rightarrow USER$	Display "7-bit USSD"	
5	$ME \to SS$	REGISTER 1.1	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 1.1	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND	
		USSD 1.1.1	

RELEASE COMPLETE (SS RETURN RESULT) 1.1

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT USSD-DataCodingScheme: - 7-bit default, no message class USSD string: - "USSD string received from SS"

Coding:

BER-TLV	30	1E	04	01	F0	04	19	D5	E9	94	08	9A
	D3	E5	69	F7	19	24	2F	8F	CB	69	7B	99
	0C	32	CB	DF	6D	D0	74	0A				

TERMINAL RESPONSE: SEND USSD 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SEND USSD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text String	
Data coding scheme:	7-bit default, no message class
String:	"USSD string received from SS"

Coding:

1

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	F0<u>00</u>	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	CB	69	7B	99	0C
	32	CB	DF	6D	D0	74	0A				

Expected Sequence 1.2 (SEND USSD, 8-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 1.2.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	
		USSD 1.2.1	
4	$ME \rightarrow USER$	Display "8-bit USSD"	
5	$ME \to SS$	REGISTER 1.2	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 1.2	
7	$ME \rightarrow SIM$	TERMINAL RESPÓNSE: SEND	
		SS 1.2.1	

RELEASE COMPLETE (SS RETURN RESULT) 1.2

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, 8-bit data
USSD string:
- "USSD string received from SS"

Coding:

BER-TLV	30	21	04	01	44	04	1C	55	53	53	44	20
	73	74	72	69	6E	67	20	72	65	63	65	69
	76	65	64	20	66	72	6F	6D	20	53	53	

TERMINAL RESPONSE: SEND USSD 1.2.1

Command details	
Command number:	1
Command type:	SEND USSD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text String	
Data coding scheme: String:	Uncompressed, no message class meaning, 8-bit data "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1D	<u>4404</u>	55	53	53	44	20	73	74
	72	69	6E	67	20	72	65	63	65	69	76
	65	64	20	66	72	6F	6D	20	53	53	

Expected Sequence 1.3 (SEND USSD, UCS2 data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 1.3.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND USSD 1.3.1	
4	$ME \rightarrow USER$	Display "UCS2 USSD"	
5	$ME \to SS$	REGISTER 1.3	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS RETURN RESULT)	["USSD string received from SS"]
		1.3	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND SS 1.3.1	

RELEASE COMPLETE (SS RETURN RESULT) 1.3

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, UCS2 (16 bit) USSD string:
 - "USSD string received from SS"

Coding:

BER-TLV	30	3D	04	01	48	04	38	00	55	00	53	00
	53	00	44	00	20	00	73	00	74	00	72	00
	69	00	6E	00	67	00	20	00	72	00	65	00
	63	00	65	00	69	00	76	00	65	00	64	00
	20	00	66	00	72	00	6F	00	6D	00	20	00
	53	00	53									

TERMINAL RESPONSE: SEND USSD 1.3.1

Logically:

Command details Command number: 1 Command type: SEND USSD

Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text String	

Data coding scheme:	Uncompressed, no message class meaning, UCS2 (16 bit)
String:	"USSD string received from SS"

1

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	39	<u>4808</u>	00	55	00	53	00	53	00
	44	00	20	00	73	00	74	00	72	00	69
	00	6E	00	67	00	20	00	72	00	65	00
	63	00	65	00	69	00	76	00	65	00	64
	00	20	00	66	00	72	00	6F	00	6D	00
	20	00	53	00	53						

Expected Sequence 1.4 (SEND USSD, 7-bit data, unsuccessful (Return Error))

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND USSD 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND USSD 1.1.1	
4	$ME \rightarrow USER$	Display "7-bit USSD"	
5	$ME \rightarrow SS$	REGISTER 1.1	
6	$SS\toME$	RELEASE COMPLETE (SS RETURN ERROR) 1.1	Return Error
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND USSD 1.4.1	

RELEASE COMPLETE (SS RETURN ERROR) 1.1

Logically (only from Return Error code):

ProcessUnstructuredSS-Request RETURN ERROR

Return Error code:

- Unknown alphabet

Coding:

BER-TLV 02 01 47

TERMINAL RESPONSE: SEND USSD 1.4.1

Logically:

Command details	
Command number:	1
Command type:	SEND USSD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	USSD Return Error
Additional information:	"Unknown alphabet"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	02
	37	4 <u>7</u> 6									

27.22.4.12.2.4.2 Procedure

Expected Sequence 2.1A (SEND USSD, 7-bit data, successful, basic icon self explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 2.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND USSD 2.1.1	[BASIC-ICON, self-explanatory]
4	$ME \rightarrow USER$	Display BASIC ICON	
5	$ME \to SS$	REGISTER 2.1	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS RETURN	["USSD string received from SS"]
		RESULT) 2.1	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND USSD 2.1.1A	[Command performed successfully]

PROACTIVE COMMAND: SEND USSD 2.1.1

Logically:

Command details	
Command number:	1
Command type:	SEND USSD
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Basic Icon"
USSD String	
Data coding scheme:	7-bit default, no message class
USSD string:	"ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-
_	1234567890"
Icon Identifier:	
Icon qualifier:	icon is self-explanatory
Icon Identifier:	record 1 in EF _(IMG)

BER-TLV:	D0	55 54	81	03	01	12	00	82	02	81	83	85
	0B 0	<u>42</u> 04	<u>61</u> 42	<u>73</u> 61	<u>69</u> 73	<u>63</u> 69	<u>20</u> 63	<u>49</u> 20	<u>63</u> 49	<u>6F</u> 63	6E6F	6E 8
	<u>A</u>											<u>A</u>
	<u>39</u> 8A	<u>F0</u> 39	<u>41</u>	<u>E1</u> 41	<u>90</u> €1	<u>58</u> 90	<u>34</u> 58	<u>1E</u> 34	<u>91</u> 1€	<u>49</u> 91	<u>E5</u> 49	E5<u>92</u>
			FO									
	<u>D992</u>	<u>74</u> D9	<u>3E</u> 74	<u>A1</u> 3	<u>51</u> A1	<u>E9</u> 51	<u>94</u> E9	<u>5A</u> 94	<u>B5</u> 5	<u>5E</u> B	<u>B1</u> 5	B1<u>59</u>
				Ē					A	5	E	
	<u>6D</u> 59	<u>2B</u> 6	<u>2C</u> 2	<u>1E</u> 2	<u>931E</u>	<u>CB</u> 9	<u>E6</u> C	<u>33</u> E6	<u>3A</u> 33	<u>AD</u> 3	<u>5E</u> A	5E
		₽	₽	¢		3	₽			A	Ð	<u>B3</u>
	<u>DB</u> B	<u>EE</u> Ð	<u>37</u> €	<u>3C</u> 37	<u>2E</u> 3	<u>9F2E</u>	<u>D3</u> 9	<u>EB</u> Đ	<u>F6</u> €	<u>3B</u> F6	<u>3E</u> 3	3E
	3	₽	E		C		F	3	B		B	<u>AF</u>
	<u>6F</u> A	<u>C5</u> 6	<u>64C5</u>	<u>33</u> 64	<u>5A</u> 33	<u>CD</u> 5	<u>76</u> C	<u>C3</u> 76	<u>E5</u> C	<u>60</u> E5	<u>9E</u> 60	9E<u>02</u>
	F	F				A	Ð		3			
	<u>00</u> 02	<u>01</u> 00	01									

REGISTER 2.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

BER-TLV	30	3D	04	01	F0	04	38	41	E1	90	58	34
	1E	91	49	E5	92	D9	74	3E	A1	51	E9	94
	5A	B5	5E	B1	59	6D	2B	2C	1E	93	CB	E6
	33	3A	AD	5E	B3	DB	EE	37	3C	2E	9F	D3
	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD	76
	C3	E5	60									

RELEASE COMPLETE (SS RETURN RESULT) 2.1

Logically (only from USSD result):

```
ProcessUnstructuredSS-Request RETURN RESULT
```

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "USSD string received from SS"

Coding:

BER-TLV	30	1E	04	01	F0	04	19	D5	E9	94	08	9A
	D3	E5	69	F7	19	24	2F	8F	CB	69	7B	99
	0C	32	CB	DF	6D	D0	74	0A				

TERMINAL RESPONSE: SEND USSD 2.1.1A

Logically:

Command details	
Command number:	1
Command type:	SEND USSD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Text String	
Data coding scheme:	7-bit default, no message class
String:	"USSD string received from SS"

Coding:

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	0 <mark>-</mark> F0	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	CB	69	7B	99	0C
	32	CB	DF	6D	D0	74	0A				

Expected Sequence 2.1B (SEND USSD, 7-bit data, successful, basic icon self explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 2.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[BASIC-ICON, self-explanatory]
		USSD 2.1.1	
4	$ME \rightarrow USER$	Display "Basic Icon" without the	
		icon	
5	$ME \rightarrow SS$	REGISTER 2.1	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 2.1	
7	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed but requested icon
		USSD 2.1.1B	could not be displayed]

TERMINAL RESPONSE: SEND USSD 2.1.1B

Logically:

Command details	
Command number:	1
Command type:	SEND USSD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully, but requested icon could not be displayed
Text String	
Data coding scheme:	7-bit default, no message class
String:	"USSD string received from SS"
Coding:	-

Coding:

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	04	8D	1A	F0<u>00</u>	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	CB	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

Expected Sequence 2.2 (SEND USSD, 7-bit data, successful, colour icon self explanatory)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 2.2.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$		[COLOUR-ICON, self-explanatory]
		USSD 2.2.1	
4	$ME \rightarrow USER$	Display COLOUR-ICON	
		or	
		May give information to user	
		concerning what is happening	
5	$ME \to SS$	REGISTER 2.1	
6	$SS\toME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 2.1	
7	$ME \rightarrow SIM$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		USSD 2.1.1A	or
		or	[Command performed but requested icon
		TERMINAL RESPONSE: SEND	could not be displayed]
		USSD 2.1.1B	

PROACTIVE COMMAND: SEND USSD 2.2.1

Logically:

Command details	
Command number:	1
Command type:	SEND USSD
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Color Icon"
USSD String	
Data coding scheme:	7-bit default, no message class
USSD string:	"ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-
	1234567890"
Icon Identifier:	
Icon qualifier:	icon is self-explanatory
Icon Identifier:	record 2 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	55 54	81	03	01	12	00	82	02	81	83	85
	<u>0B0</u>	<u>43</u> 04	<u>6F</u> 43	<u>6C</u> 6	<u>6F</u> 6	<u>726</u> F	<u>2072</u>	<u>49</u> 20	<u>63</u> 49	<u>6F</u> 63	6E6F	<mark>6€8</mark>
	<u>A</u>			F	C							<u>A</u>
	<u>39</u> 8A	<u>F0</u> 39	<u>41</u>	<u>E1</u> 41	<u>90</u> E1	<u>58</u> 90	<u>34</u> 58	<u>1E</u> 34	<u>91</u> 1E	<u>49</u> 91	<u>E5</u> 49	E5 92
			F0									
	<mark>D9</mark> 92	<u>74</u> D9	<u>3E</u> 74	<u>A1</u> 3	<u>51</u> A1	<u>E9</u> 51	<u>94</u> E9	<u>5A</u> 94	<u>B5</u> 5	<u>5E</u> B	<u>B1</u> 5	<mark>B1<u>59</u></mark>
				E					A	5	E	
	<u>6D</u> 59	<u>2B</u> 6	<u>2C</u> 2	<u>1E</u> 2	<u>93</u> 1E	<u>CB</u> 9	<u>E6</u> C	<u>33</u> E6	<u>3A</u> 33	<u>AD</u> 3	<u>5E</u> A	5E
		Ð	B	C		3	₿			A	Ð	<u>B3</u>
	<u>DB</u> ₿	<u>EE</u> Ð	<u>37</u> ⊑	<u>3C</u> 37	<u>2E</u> 3	<u>9F2E</u>	<u>D3</u> 9	<u>EB</u> Ð	<u>F6</u> €	<u>3B</u> F6	<u>3E</u> 3	3E
	3	B	E		C		F	3	B		B	<u>AF</u>
	<u>6F</u> A	<u>C5</u> 6	<u>64</u> C5	<u>33</u> 64	<u>5A</u> 33	<u>CD</u> 5	<u>76</u> C	<u>C3</u> 76	E5C	<u>60</u> E5	<u>9E</u> 60	9E<u>02</u>
	F	F				A	Ð		3			
	<u>00</u> 02	<u>02</u> 00	02									

Expected Sequence 2.3A (SEND USSD, 7-bit data, successful, basic icon non self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 2.3.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND	[BASIC-ICON, non self-explanatory]
		USSD 2.3.1	
4	$ME \rightarrow USER$	Display "Basic Icon" and BASIC-	
		ICON	
5	$ME \rightarrow SS$	REGISTER 2.1	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 2.1	
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		USSD 2.1.1A	

PROACTIVE COMMAND: SEND USSD 2.3.1

Logically:

1
SEND USSD
"00"

Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Basic Icon"
USSD String	
Data coding scheme:	7-bit default, no message class
USSD string:	"ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-
	1234567890"
Icon Identifier	
Icon qualifier:	icon is non self-explanatory
Icon Identifier:	record 1 in EF _(IMG)

BER-TLV:	D0	55 54	81	03	01	12	00	82	02	81	83	85
<u>.</u>	<u>өво</u> А	<u>42</u> 04	<u>61</u> 42	<u>73</u> 61	<u>69</u> 73	<u>63</u> 69	<u>20</u> 63	<u>49</u> 20	<u>63</u> 49	<u>6F</u> 63	<u>6E</u> 6F	6 <u>6</u> 8 A
	<u>39</u> 8A	<u>F0</u> 39	<u>41</u> ₣0	<u>E1</u> 41	<u>90</u> E1	<u>58</u> 90	<u>34</u> 58	<u>1E</u> 34	<u>91</u> 1E	<u>49</u> 91	<u>E5</u> 49	E5 92
	<u>D9</u> 92	<u>74</u> Đ9	<u>3E</u> 74	<u>A1</u> 3 €	<u>51</u> A1	<u>E9</u> 51	<u>94</u> €9	<u>5A</u> 94	<u>B5</u> 5 A	<u>5</u> 5 5	<u>B1</u> 5 €	B1<u>59</u>
	<u>6D</u> 59	<u>2B</u> 6 Đ	2 <u>C</u> 2 B	<u>1E</u> 2 6	<u>93</u> 1E	<u>СВ</u> 9 З	<u>E6</u> B	<u>33</u> €6	<u>3A</u> 33	AD3 A	5EA Đ	5E B3
	DBB 3	EEÐ B	<u>37</u> € €	<u>3C</u> 37	2 <u>E</u> 3 C	<u>9F</u> 2E	<u>D3</u> 9 ₣	EBD 3	F6 E ₿	<u>3B</u> F6	3 <u>E</u> 3 B	3E AF
	<u>6F</u> A ₣	<u>C5</u> € ₣	<u>64</u> C5	<u>33</u> 64	<u>5A</u> 33	CD 5 A	<u>76</u> ⊖ ₽	<u>C3</u> 76	<u>E5</u> C ३	<u>60</u> E5	<u>9E</u> 60	9E<u>02</u>
	<u>01</u> 02	<u>01</u> 01	01									

27.22.4.12.3.4.2 Procedure

Expected Sequence 3.1 (SEND USSD, 7-bit data, successful, UCS2 text)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 3.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SEND USSD 3.1.1	
4	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	$ME \to SS$	REGISTER 3.1	
6	$SS \rightarrow ME$	RELEASE COMPLETE (SS RETURN	[Successful]
		RESULT) 3.1	-
7	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SEND USSD 3.1.1	[Command performed successfully]

TERMINAL RESPONSE: SEND USSD 3.1.1

Logically:

Command details	
Command number:	1
Command type:	SEND USSD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

Text String

a sumg	
Data coding scheme:	7-bit default, no message class
String:	"USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	F0<u>00</u>	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	CB	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#T3-030714**

						от				CR-Form-
		(CHANGE	: KEC	UE	21				
ж	11.1	<mark>0-4</mark> CR	A033	жrev	-	Ħ	Current vers	sion: <mark>8</mark>	.4.0	ж
For <u>HELP</u> on	using th	is form, see	bottom of thi	s page o	· look	at the	pop-up text	over the	e ж syn	nbols.
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Proposed change	e affects	: UICC a	pps ೫ <mark>X</mark>	ME	Ra	dio Ac	cess Netwo	rk C	Core Ne	etwork
Title:	# Esse	ential correct	tions to Powe	r Off Car	d test	case				
						Cacc				
Source:	₩ T3									
Work item code:	# TEI						Date: ೫	22/08/	/2003	
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			wing categorie	es:			Use <u>one</u> of			eases:
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	De tou	nd in 3GPP	<u>K 21.900</u> .				Rel-5	(Release	9 D)	

Reason for change: #	 Tag byte indicating Result TLV missing in: TERMINAL RESPONSE : POWER OFF CARD 1.1.1 TERMINAL RESPONSE : POWER OFF CARD 1.2.1 TERMINAL RESPONSE : POWER OFF CARD 2.1.1 The test requirement clauses don't refer to the correct expected sequences, because no numbering is used.
Summary of change: #	Above listed errors corrected.
cannany or changer or	
Consequences if #	MEs will fail incorrect tests.
not approved:	
Clauses affected: #	27.22.4.18.1.4.2, 27.22.4.18.1.5, 27.22.4.18.2.4.2, 27.22.4.18.2.5
	ΥΝ
Other specs %	N Other core specifications #
affected:	N Test specifications
anecieu.	
	N O&M Specifications
Other comments: %	

Rel-6

(Release 6)

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.18.1.4.2 Procedure

Expected Sequence 1.1 (POWER OFF CARD, card reader 1)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING:	
		POWER OFF CARD 1.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: POWER OFF	[Power off card reader 1]
		CARD 1.1.1	-
4	$\text{ME} \rightarrow \text{SIM2}$	POWER OFF CARD	[Power off card reader 1]
5	$ME \rightarrow SIM$	TERMINAL RESPONSE: POWER OFF	[Successful]
		CARD 1.1.1	

PROACTIVE COMMAND: POWER OFF CARD 1.1.1

Logically:

Command details	
Command number:	1
Command type:	POWER OFF CARD
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Card reader 1

Coding:

BER-TLV: D0 09 81 03 01 32 00 82 02 81 11

TERMINAL RESPONSE: POWER OFF CARD 1.1.1

Logically:

Command details	
Command number:	1
Command type:	POWER OFF CARD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

BER-TLV:	81	03	01	32	00	82	02	82	81	01<u>83</u>	00<u>01</u>
	00										

Expected Sequence 1.2 (POWER OFF CARD, card reader 1, no card inserted)

Step	Direction	MESSAGE / Action	Comments
1		SIM2 is removed from ME card reader	
2	$SIM\toME$	PROACTIVE COMMAND PENDING: POWER OFF CARD 1.1.1	
3	$\text{ME} \rightarrow \text{SIM}$	FETCH	
4	$SIM\toME$	PROACTIVE COMMAND: POWER OFF CARD 1.1.1	[Power off card reader 1]
5	$ME\toSIM$	TERMINAL RESPONSE: POWER OFF CARD 1.2.1	[No card inserted]

TERMINAL RESPONSE: POWER OFF CARD 1.2.1

Logically:

Command details	
Command number:	1
Command type:	POWER OFF CARD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	

General Result: MultipleCard commands error Additional Information: Card removed or not present

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	<u>83</u> 02	<u>3802</u>
	02<u>38</u>	<u>02</u>									

27.22.4.18.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.2.

27.22.4.18.2.4.2 Procedure

Expected Sequence 2.1 (POWER OFF CARD, card reader 1, no card reader attached)

Step	Direction	MESSAGE / Action	Comments
1	•••••	PROACTIVE COMMAND PENDING: POWER OFF CARD 2.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3		PROACTIVE COMMAND: POWER OFF CARD 2.1.1	[Power off card reader 1]
4	$ME\toSIM$	TERMINAL RESPONSE: POWER ON CARD 2.1.1	[Card reader removed or not present]

PROACTIVE COMMAND: POWER OFF CARD 2.1.1

Logically:

Command details	
Command number:	1
Command type:	POWER OFF CARD
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Card reader 1

BER-TLV:	D0	09	81	03	01	32	00	82	02	81	11

TERMINAL RESPONSE: POWER OFF CARD 2.1.1

Logically:

1	
POWE	R OFF CARD
"00"	
ME	Destination device: SIM
Multipl	eCard commands error
	"00" ME

Additional Information: Card reader removed or not present

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	02<u>83</u>	<u> 3802</u>
	01<u>38</u>	<u>01</u>									

27.22.4.18.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1.

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CR page 1

Tdoc **#***T3-030715*

											CR-Form-v7
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For <u>HELP</u> or	านเ	sina this for	m. see b	ottom of thi	s page o	r look	at th	e pop-up text	over the #	svn	nbols.
			,		- 13					-,	
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Proposed chang	je a	affects:	JICC app	DS# X	ME	Rad	dio A	ccess Networ	K Core	e Ne	twork
Title:	ж	Essential	correctio	ns to Perfo	rm Card	APDU	J test	cases			
Source:	ж	Т3									
Work item code:	ж	TEI						Date: ೫	22/08/20	03	
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		be found in	JUPP IR	21.900.					(Release 5)		
								Rel-6	(Release 6)		

Reason for change: ೫	 Tag byte indicating Result TLV missing in: TERMINAL RESPONSE : POWER OFF CARD 1.3.1 TERMINAL RESPONSE : PERFORM CARD APDU 1.3.1 TERMINAL RESPONSE : PERFORM CARD APDU 1.4.1 TERMINAL RESPONSE : PERFORM CARD APDU 1.5.1 The test requirement clauses don't refer to the correct expected
	sequences, because no numbering is used.
Summary of change: #	Above listed errors corrected.
Consequences if # not approved:	MEs will fail incorrect tests.
Clauses affected 9	27 22 <u>4</u> 17 1 <u>4</u> 2 27 22 <u>4</u> 17 1 5 27 22 <u>4</u> 17 2 5

affected: Other comments:	N Test specifications N O&M Specifications %
Other specs	Y N % N Other core specifications %
Clauses affected:	% 27.22.4.17.1.4.2, 27.22.4.17.1.5, 27.22.4.17.2.5

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.

- 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.

27.22.4.17.1.4.2 Procedure

Expected Sequence 1.3 (PERFORM CARD APDU, card reader 1, card inserted, card powered off)

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: POWER OFF CARD	
		1.3.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND:	[Power off card reader 1]
		POWER OFF CARD 1.3.1	
4	$\text{ME} \rightarrow \text{SIM2}$	POWER OFF CARD	[Power off card reader 1]
5	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: POWER	[Successful]
		OFF CARD 1.3.1	
6	ME	SIM2 is powered off from ME card	
		reader	
7	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: PEFORM CARD APDU	
		1.1.1	
8	$ME \rightarrow SIM$	FETCH	
9	$SIM\toME$	PROACTIVE COMMAND:	[Select Master File]
		PERFORM CARD APDU 1.1.1	
10	$ME \rightarrow SIM$	TERMINAL RESPONSE:	[Card powered off]
		PERFORM CARD APDU 1.3.1	

PROACTIVE COMMAND: POWER OFF CARD 1.3.1

Logically:

Com	mand details	
	Command number:	1
	Command type:	POWER OFF CARD
	Command qualifier:	"00"
Devic	ce identities	
	Source device:	SIM
	Destination device:	Card reader 1
Coding:		

BER-TLV: D0 09 81 03 01 32 00 82 02 81 11

TERMINAL RESPONSE: POWER OFF CARD 1.3.1

Logically:

Command details Command number: 1

Command type:	POWER OFF CARD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

BER-TLV:	81	03	01	32	00	82	02	82	81	01<u>83</u>	00<u>01</u>
	<u>00</u>										

TERMINAL RESPONSE: PERFORM CARD APDU 1.3.1

Logically:

Command details	
Command number:	1
Command type:	PERFORM CARD APDU
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result: Additional Information:	MultipleCard commands error Card powered off

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	02<u>83</u>	<u>3802</u>
	<mark>04<u>38</u></mark>	<u>04</u>									

Expected Sequence 1.4 (PERFORM CARD APDU, card reader 1, no card inserted)

Step	Direction	MESSAGE / Action	Comments
1	ME	SIM2 is removed from ME card	
		reader	
2	$SIM \to ME$	PROACTIVE COMMAND	
		PENDING: PEFORM CARD APDU	
		1.1.1	
3	$\text{ME} \rightarrow \text{SIM}$	FETCH	
4	$SIM \rightarrow ME$	PROACTIVE COMMAND:	[Select Master File]
		PERFORM CARD APDU 1.1.1	
5	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE:	[No card inserted]
		PERFORM CARD APDU 1.4.1	

TERMINAL RESPONSE: PERFORM CARD APDU 1.4.1

Logically:

Command details	
Command number:	1
Command type:	PERFORM CARD APDU
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	MultipleCard commands error
Additional Information.	Cond non-ound on not macout

Additional Information: Card removed or not present

BER-TLV:	81	03	01	32	00	82	02	82	81	02<u>83</u>	<u>3802</u>
	02 38	02									

Expected Sequence 1.5 (PERFORM CARD APDU, card reader 7 (which is not the valid card reader identifier of the additional ME card reader))

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	[invalid card reader ID]
		PENDING: PEFORM CARD APDU	
		1.5.1	
3	$\text{ME} \rightarrow \text{SIM}$	FETCH	
4	$SIM \to ME$	PROACTIVE COMMAND:	[Select Master File]
		PERFORM CARD APDU 1.5.1	-
5	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE:	[Specified reader not valid]
		PERFORM CARD APDU 1.5.1	

PROACTIVE COMMAND: PERFORM CARD APDU 1.1.1

Logically:

Command details	
Command number:	1
Command type:	PERFORM CARD APDU
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Card Reader 7
C-APDU	
Class:	'A0'
Instruction:	SELECT
P1 parameter:	'00'
P2 parameter:	'00'
Lc:	'02'
Data:	Master File

Coding:

BER-TLV:	D0	12	81	03	01	30	00	82	02	81	17	A2
	07	A0	A4	00	00	02	3F	00				

C-APDU: SELECT 1.1

Logically:

C-APDU Class: 'A0' Instruction: SELECT P1 parameter: '00' P2 parameter: '00' Lc: '02' Data: Master File

BER-TLV:	A0	A4	00	00	02	3F	00

TERMINAL RESPONSE: PERFORM CARD APDU 1.5.1

Logically:

Command details	
Command number:	1
Command type:	PERFORM CARD APDU
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	

General Result: MultipleCard commands error Additional Information: Specified reader not valid

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	02<u>83</u>	38<u>02</u>
	09<u>38</u>	<u>09</u>									

27.22.4.17.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.5.

27.22.4.17.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1.

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3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#***T***3***-0***3***07***1**6

CHANGE REQUEST												
ж	11.10-4	1.10-4 CR A035 # rev - # Current version: 8.4.0										
For <u>HELP</u> of	n using this f	orm, see	bottom of thi	s page or	look	at th	e pop-up text	over the X s	symbols.			
Proposed chang	e affects:	UICC ap	pps# <mark>X</mark>	MEX	Rac	dio A	ccess Netwo	k Core	Network			
Title:	% Essentia	al correcti	on to Get Re	ader State	us tes	st ca	ses					
Source:	ж <mark>Т3</mark>											
Work item code	: ¥ TEI						Date: ೫	22/08/2003	3			
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Reason for change: ¥	 ANSWER TO RESET 1.1.1: Coding incorrect, because first two bytes don't belong to the ATR. Tag byte indicating Result TLV missing in TERMINAL RESPONSE : POWER OFF CARD 1.2.1 The test requirement clauses don't refer to the correct expected sequences, because no numbering is used. Initial conditions need to be adjusted, because the elementary files are coded as Toolkit default.
Summary of change: %	Result tag byte inserted, test requirements corrected and initial conditions adjusted.
Consequences if % not approved:	ME will fail incorrect tests.
Clauses affected: % Other specs % affected:	27.22.4.20.1.4.1, 27.22.4.20.1.4.2, 27.22.4.20.1.5, 27.22.4.20.2.4.1, 27.22.4.20.2.5
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.
- 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.

27.22.4.20.1.4.1 Initial conditions

The ME shall support the Proactive SIM: Get Card Reader Status (Card Reader Status) facility. The ME is connected to the SIM Simulator.

The ME card reader is connected to the second SIM Simulator (SIM2).

The elementary files are coded as SIM Application Toolkit default-with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

If the ME supports a detachable card reader, the card reader shall be attached to the ME.

Prior to this test the ME shall have powered on the second SIM Simulator (SIM2).

27.22.4.20.1.4.2 Procedure

Expected Sequence 1.1 (POWER ON CARD, card reader 1)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: POWER ON CARD 1.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: POWER ON	[Power on card reader 1]
4	$ME \rightarrow SIM2$	RESET CARD	[Perform electrical initialization]
5		ANSWER TO RESET 1.1.1	[ATR]
6	$ME\toSIM$	TERMINAL RESPONSE: POWER ON CARD 1.1.1	[ATR]

PROACTIVE COMMAND: POWER ON CARD 1.1.1

Logically:

Command details	
Command number:	1
Command type:	POWER ON CARD
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Card reader 1

BER-TLV:	D0	09	81	03	01	31	00	82	02	81	11

ANSWER TO RESET 1.1.1

Logically:

TS (Initial character):	'3B'
T0 (Format character):	OF
T1 (Historical character):	'P'
T2 (Historical character):	'o'
T3 (Historical character):	'w'
T4 (Historical character):	'e'
T5 (Historical character):	'r'
T6 (Historical character):	'C'
 T4 (Historical character): T5 (Historical character): T6 (Historical character): T7 (Historical character): T8 (Historical character): T9 (Historical character): T10 (Historical character): T11 (Historical character): T12 (Historical character): T13 (Historical character): 	'e' 'r' 'O' 'n' 'C' 'a' 'r' 'd' 'T' 'e'
T14 (Historical character):	's'
T15 (Historical character):	't'

Coding:

BER-TLV:	A1	11	3B	0F	50	6F	77	65	72	4F	6E	43
	61	72	64	54	65	74	75					

TERMINAL RESPONSE: POWER ON CARD 1.1.1

Logically:

Command details	
Command number:	1
Command type:	POWER ON CARD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Card ATR	
TS (Initial character):	'3B'
T0 (Format character):	0F
T1 (Historical character):	'P'
T2 (Historical character):	'o'
T3 (Historical character):	'w'
T4 (Historical character):	'e'
T5 (Historical character):	'r'
T6 (Historical character):	'O'
T7 (Historical character):	'n'
T8 (Historical character):	'C'
T9 (Historical character):	'a'
T10 (Historical character):	'r'
T11 (Historical character):	'd'
T12 (Historical character):	'T'
T13 (Historical character):	'e'
T14 (Historical character):	's'
T15 (Historical character):	't'

BER-TLV:	81	03	01	31	00	82	02	82	81	83	01	00
	A1	11	3B	0F	50	6F	77	65	72	4F	6E	43
	61	72	64	54	65	74	75					

Expected Sequence 1.2 (POWER ON CARD, card reader 1, no ATR)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: POWER ON CARD	
		1.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	[Power on card reader 1]
		POWER ON CARD 1.1.1	
4	$\text{ME} \rightarrow \text{SIM2}$	RESET CARD	[Perform electrical initialization]
5	$SIM2 \rightarrow ME$	NO ATR	[No ATR]
6	$ME \rightarrow SIM$	TERMINAL RESPONSE: POWER	[No ATR]
		ON CARD 1.2.1	

TERMINAL RESPONSE: POWER ON CARD 1.2.1

Logically:

Command details	
Command number:	1
Command type:	POWER ON CARD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	MultipleCard commands error

Additional Information: Card mute

BER-TLV:	81	03	01	31	00	82	02	82	81	83	02	38
	06											

Expected Sequence 1.2 (GET CARD READER STATUS, card reader 1, card inserted, card not powered)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: POWER OFF CARD 1.2.1	
2	$ME\toSIM$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND: POWER OFF CARD 1.2.1	[Power off card reader 1]
4	$ME \rightarrow SIM2$	POWER OFF CARD	[Power off card reader 1]
5	$ME\toSIM$	TERMINAL RESPONSE: POWER OFF CARD 1.2.1	[Successful]
6	$SIM\toME$	PROACTIVE COMMAND PENDING: GET CARD READER STATUS 1.1.1	
7	$ME \rightarrow SIM$	FETCH	
8	$SIM\toME$	PROACTIVE COMMAND: GET CARD READER STATUS 1.1.1	[Get Card Reader Status]
9	$ME\toSIM$	TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1a Or	[Successful]
		TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1b or	[Successful]
		TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1c Or	[Successful]
		TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1d	[Successful]

PROACTIVE COMMAND: POWER OFF CARD 1.2.1

Logically:

Command details	
Command number:	1
Command type:	POWER OFF CARD
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Card reader 1

Coding:

BER-TLV:	D0	09	81	03	01	32	00	82	02	81	11
----------	----	----	----	----	----	----	----	----	----	----	----

TERMINAL RESPONSE: POWER OFF CARD 1.2.1

Logically:

Command details	
Command number:	1
Command type:	POWER OFF CARD
Command qualifier:	"00"
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

BER-TLV:	81	03	01	32	00	82	02	82	81	01<u>83</u>	<u>0001</u>
	<u>00</u>										

27.22.4.20.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

27.22.4.20.2.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as SIM Application Toolkit default-with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

Prior to this test the ME shall have powered on the second SIM Simulator (SIM2).

The card reader shall be detached from the ME.

27.22.4.20.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#T3-030717**

											CR-Form-v7	
			C	HANGE		UF	ST	•				
ж	1	1.10-4	CR	A036	жrev	-	ж	Current vers	sion:	8.4.0	ж	
For <u>HELP</u> on	usi	ng this for	rm, see b	ottom of this	s page or	look	at th	e pop-up text	over t	he 🕱 syn	nbols.	
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Proposed abang		footor		~~~~ V		D oo	4i~ ^	ooooo Notwo	rla	Coro No	twork	
Proposed change	e ai	iects:	JICC app	<u>л</u>		Rat		ccess Netwo	IK	Core Ne		
Title:	Ж	Essential	correctio	ons to Send	DTMF tes	st cas	ses					
-		_										
Source:	ж	Т3										
Work item code:	ഹ	TEI						Date: #	22/0	8/2003		
work nem code:	æ	ICI						Date: #	22/0	0/2003		
Category:	ж	F						Release: ¥	R99			
	l	Jse one of	the follow	ing categorie	s:			Use <u>one</u> of		owina rele	ases:	
			rection)	5				2		Phase 2)		
		A (cor	responds	to a correction	on in an ea	rlier re	elease	e) R96	(Relea	se 1996)		
			dition of fe					, R97	(Relea	se 1997)		
		C (fun	ctional mo	dification of	feature)			R98	(Relea	se 1998)		
			torial moo					R99	•	se 1999)		
				of the above	e categorie	s can		Rel-4	(Relea	,		
	b	e found in	3GPP TR	<u>21.900</u> .				Rel-5	(Relea	,		
								Rel-6	(Relea	se 6)		

Reason for change: %	PROACTIVE COMMAND : SEND DTMF 2.1.1: Incorrect length indicated
	 PROACTIVE COMMAND : SEND DTMF 2.2.1: Two different codings offered. Length indicated in remaining coding is incorrect.
	 27.22.4.24.3.4.1 (Initial conditions) need to be adjusted, because the elementary files are coded as Toolkit default.
Summary of change: #	Above listed errors corrected.
, ,	
Consequences if % not approved:	ME will fail incorrect implemented tests.
Clauses affected: #	27.22.4.24.2.4.2, 27.22.4.24.3.4.1

Clauses affected:	ж	21.2	2.4.24.2.4.2, 27.22.4.24.3.4.1		
Other specs affected:	¥	Y N N N N	Other core specifications Test specifications O&M Specifications	ж	
Other comments:	ж				

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.4.24.2.4.2 Procedure

Expected Sequence 2.1 (SEND DTMF, BASIC ICON self explanatory, successful)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 2.1.1	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND : SEND	[BASIC-ICON, self-explanatory]
		DTMF 2.1.1	
4	$ME \rightarrow$	Display the BASIC-ICON	
	USER		
		Do not locally generate audible	
		DTMF tones and play them to the	
		user.	
5	$ME \rightarrow SS$	Start DTMF 1.1	["1"]
6	ME		No DTMF sending for 3 seconds +/-20%
7	$ME \rightarrow SS$	Start DTMF 1.2	["2"]
8	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE : SEND	[Command performed successfully]
		DTMF 2.1.1A	
9	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	

PROACTIVE COMMAND : SEND DTMF 2.1.1

Logically:	
Command details	
Command number:	1
Command type:	SEND DTMF
Command qualifier:	"00"
Device identities	
Source device:	SIM
Destination device:	Network
Alpha identifier:	"Basic Icon"
DTMF String:	"1" pause "2"
Icon identifier	
Icon qualifier:	icon is self-explanatory
Icon Identifier:	record 1 in EF _(IMG)
Coding:	

BER-TLV:	D0	1В<u>1</u> D	81	03	01	14	00	82	02	81	83	85
	-			73 9E			20 01	49	63	6F	6E	AC

Expected Sequence 2.2 (SEND DTMF, COLOUR-ICON self explanatory, successful)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$SIM\toME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 2.2.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM\toME$	PROACTIVE COMMAND : SEND	[COLOUR-ICON]
		DTMF 2.2.1	
4	$ME \rightarrow$	Display the COLOUR-ICON	
	USER		
		Do not locally generate audible	
		DTMF tones and play them to the	
		user.	
5	$ME \to SS$	Start DTMF 1.1	["1"]
6	ME		No DTMF sending for 3 seconds +/-20%
7	$\text{ME} \rightarrow \text{SS}$	Start DTMF 1.2	["2"]
8	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE : SEND	[Command performed successfully]
		DTMF 2.1.1A	
9	$SIM\toME$	PROACTIVE SIM SESSION	
		ENDED	

PROACTIVE COMMAND : SEND DTMF 2.2.1

Logically	y:												
Command details													
	Command nu	mber:		1									
	Command typ	be:		SE	ND D7	ГMF							
	Command qu	alifier:		"00)"								
	Device identities												
	Source device	e:		SI	M								
	Destination d	evice:		Ne	twork								
	Alpha identifier:			"C	olour I	con"							
	DTMF String:			"1"	pause	"2"							
	Icon Identifier:				-								
	Icon qualifier	:		icon is self-explanatory									
	Icon Identifie	r:		rec	ord 2 i	n EF _{am}	(G)						
Coding:						, , , , , , , , , , , , , , , , , , ,	- /						
	BER-TLV:	Ð0	11	81	03	01	14	00	82	02	81	83	AC
		02	C1	F2	9E	02	00	02					
	BER-TLV:	D0	1C 1	81	03	01	14	00	82	02	81	83	85
			E										
		0B	43	6F	6C	6F	75	72	20	49	63	6F	6E
		AC	02	C1	F2	9E	02	00	02				

27.22.4.24.3.4.1 Initial conditions

The ME is connected to the SIM Simulator.

The elementary files are coded as SIM Application Toolkit default-with the following exceptions.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#T3-030718**

	CHANGE REQUEST									
ж	11.10-4 CR	A039	жrev	_ #	Current	version:	8.4.0	ж		
For <u>HELP</u> 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:	# Essential correc	tions to Select	t Item test	cases						
Source:	ж ТЗ									
Work item code:	ж <mark>ТЕІ</mark>				Dat	e: ೫ 22	/08/2003			
Category:	B (addition of	ds to a correctio feature), modification of t odification) ns of the above	n in an ear feature)		Use <u>o</u> 2	(GS) 6 (Rel 7 (Rel 8 (Rel 9 (Rel 1-4 (Rel 1-5 (Rel	99 ollowing rele M Phase 2) ease 1996) ease 1997) ease 1998) ease 1999) ease 4) ease 5) ease 6)	ases:		

Reason for change: #	 Incorrect step numbering in expected sequences 1.2 – 1.6
	 Test requirements are missing in: 27.22.4.9.2 SELECT ITEM (next action support) 27.22.4.9.3 SELECT ITEM (default item support) 27.22.4.9.4 SELECT ITEM (help request support) 27.22.4.9.5 SELECT ITEM (icons support) 27.22.4.9.6 SELECT ITEM (presentation style) 27.22.4.9.7 SELECT ITEM (soft keys support)
Summary of change: #	Missing test requirements inserted and step numbering corrected.
Summary of change. m	Missing test requirements inserted and step numbering corrected.
Consequences if # not approved:	Incorrect step numbering and missing test requirements in contradiction to cl. 9 of TS 11.10-4
Clauses affected: #	
	27.22.4.9.7
Other specs #	N Other core specifications %
affected:	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.
- 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.

27.22.4.9.1.4.2 Procedure

Expected Sequence 1.1 (SELECT ITEM, mandatory features, successful)

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SELECT ITEM 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		SELECT ITEM 1.1.1	
4	$ME \rightarrow USER$	Display items of "Item 1", "Item 2",	
		"Item 3" and "Item 4" under the	
		header of "Toolkit Select".	
5	$USER \to ME$	Select "Item 2".	
6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SELECT	Command performed successfully
		ITEM 1.1.1	

Expected Sequence 1.2 (SELECT ITEM, large menu, successful)

	Step	Direction	MESSAGE / Action	Comments
	7 <u>1</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
			PENDING: SELECT ITEM 1.2.1	
	8 <u>2</u>	$ME \rightarrow SIM$	FETCH	
	9 3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
			SELECT ITEM 1.2.1	
	10<u>4</u>	$ME \rightarrow USER$	Present the items of "Zero", "One",	
			"Two", Three", "Four", "Five", "Six",	
			"Seven", "Eight", "Nine", "Alpha",	
			"Bravo", "Charlie", "Delta", "Echo",	
			"Fox-trot", "Black", "Brown", "Red",	
			"Orange", "Yellow", "Green",	
			"Blue", "Violet", "Grey", "White",	
			"milli", "micro", "nano" and "pico"	
			under the header of "LargeMenu1"	
	<u>115</u>	$USER \to ME$	Select item "Orange".	
	<u>6</u> 12	$ME\toSIM$	TERMINAL RESPONSE: SELECT	Command performed successfully
I	<u>0+</u> 2		ITEM 1.2.1	Command performed successfully

Step	Direction	MESSAGE / Action	Comments
13 1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SELECT ITEM 1.3.1	
<mark>214</mark>	$ME \rightarrow SIM$	FETCH	
15 3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
_		SELECT ITEM 1.3.1	
<mark>416</mark>	$ME \rightarrow USER$	Present the items of " Call	
_		Forwarding Unconditional", "Call	
		Forward On User Busy", "Call	
		Forward On No Reply", "Call	
		Forward On User Not Reachable",	
		"Barring Of All Outgoing Calls",	
		"Barring Of All Outgoing	
		International Calls" and "CLI	
		Presentation" under the header of	
		" LargeMenu2	
17<u>5</u>	$USER \to ME$	Select item "Barring Of All	
		Outgoing Calls".	
<u>6</u> 18	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SELECT	Command performed successfully
		ITEM 1.3.1	
19 7	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	

Expected Sequence 1.3 (SELECT ITEM, call options, successful)

Expected Sequence 1.4 (SELECT ITEM, backward move by user, successful)

Step	Direction	MESSAGE / Action	Comments
<u>1</u> 20	$SIM \rightarrow ME$	PROACTIVE COMMAND	[
		PENDING: SELECT ITEM 1.4.1	
21 2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
<u>322</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		SELECT ITEM 1.4.1	
<u>234</u>	$ME \rightarrow USER$	Present the items of "One" and	
		"Two" under the header of "Select	
		Item".	
<u>5</u> 24	$USER \rightarrow ME$	Indicate to go backwards in the	
		proactive SIM application session.	
<mark>25</mark> 6	$\text{ME} \rightarrow \text{SIM}$	TERMINAL RESPONSE: SELECT	Backward move in the proactive SIM
		ITEM 1.4.1	application session requested by user
<u>726</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SELECT ITEM 1.4.2	
27<u>8</u>	$ME \rightarrow SIM$	FETCH	
<u>928</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		SELECT ITEM 1.4.2	
29<u>10</u>	$ME \rightarrow USER$	Present the items of "One" and	
		"Two" under the header of "Select	
		Item".	
<u>11</u> 30	$USER \rightarrow ME$	Indicate to end the proactive SIM	
		application and return the ME to	
		normal operation.	
31<u>12</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: SELECT	Proactive SIM application terminated by the
		ITEM 1.4.2	user
<u>13</u> 32	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	

1

Expected Sequence 1.5 (SELECT ITEM, "Y", successful)

Step	Direction	MESSAGE / Action	Comments
33 1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SELECT ITEM 1.5.1	
<u>2</u> 34	$ME\toSIM$	FETCH	
35 3	$SIM \rightarrow ME$	PROACTIVE COMMAND:	
		SELECT ITEM 1.5.1	
<u>4</u> 36	$ME \rightarrow USER$	Present the items of "Y" under the	
		header of "The SIM shall supply a	
		set of items from which the user	
		may choose one. Each item	
		comprises a short identifier (used	
		to indicate the selection) and a text	
		string. Optionally the SIM may	
		include an alpha identifier. The	
		alpha identifier i".	
37<u>5</u>		Select item "Y"	
<u>6</u> 38	$ME \rightarrow SIM$		Command performed successfully
		ITEM 1.5.1	
39 7	$SIM \rightarrow ME$	PROACTIVE SIM SESSION	
		ENDED	

Expected Sequence 1.6 (SELECT ITEM, Large menu, successful)

Γ	Step	Direction	MESSAGE / Action	Comments
1	<u>1</u> 40	$SIM \rightarrow ME$	PROACTIVE COMMAND	
			PENDING: SELECT ITEM 1.6.1	
	<mark>41</mark> 2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
	<u>3</u> 42	$SIM \to ME$	PROACTIVE COMMAND:	
			SELECT ITEM 1.6.1	
	43 <u>4</u>	$\text{ME} \rightarrow \text{USER}$	Present the items of "1 Call	
			Forward Unconditional", "2 Call	
			Forward On User Busy", "3 Call	
			Forward On No Reply", "4 Call	
			Forward On User Not Reachable",	
			"5 Barring Of All Outgoing Calls",	
			"6 Barring Of All Outgoing Int	
			Calls" and "7 CLI Presentation"	
			under the header of	
1			"0LargeMenu".	
	<u>5</u> 44	$USER \rightarrow ME$	Select item "5 Barring Of All	
1	450		Outgoing Calls".	
	45 <u>6</u>	$ME \to SIM$	TERMINAL RESPONSE: SELECT	Command performed successfully
			ITEM 1.6.1	

The following table details the test commands with relation to the tested features:

	Proactive SIM Command Facilities						
Proactive SIM Command SELECT ITEM Number	Alpha Identifier Length	Number of items	Maximum length of item				
1.1	14	4	6				
1.2	10	30	8				
1.3	10	7	43				
1.4	11	2	3				
1.5	236	1	1				
1.6	10	7	37				

27.22.4.9.2 SELECT ITEM (next action support)

27.22.4.9.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 2.1

27.22.4.9.3 SELECT ITEM (default item support)

27.22.4.9.3.5Test requirementThe ME shall operate in the manner defined in expected sequence 3.1

27.22.4.9.4 SELECT ITEM (help request support)

 27.22.4.9.4.5
 Test requirement

 The ME shall operate in the manner defined in expected sequence 4.1

27.22.4.9.5 SELECT ITEM (icons support)

27.22.4.9.5.5 Test requirement

The ME shall operate in the manner defined in expected sequences 5.1A to 5.2B.

27.22.4.9.6 SELECT ITEM (presentation style)

27.22.4.9.6.5 Test requirement

The ME shall operate in the manner defined in expected sequences 6.1 and 6.2.

27.22.4.9.7 SELECT ITEM (soft keys support)

27.22.4.9.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 7.1.

CHANGE REQUEST								CR-Form-v7	
ж	11.10-4	CR	A040	жrev	-	ж	Current vers	^{ion:} 8.4.0	æ
For <u>HELP</u> on	using this fo	rm, see l	bottom of this	s page o	r look a	at the	e pop-up text	over the # sy	mbols.
Proposed chang		UICC ap					ccess Networ		letwork
			·						
Title:	# Essentia	correction	ons to card r	eader st	atus ev	/ent	download tes	t cases	
Source:	ж <u>Т</u>3								
Work item code:	<mark>೫ TEI</mark>						Date: ೫	22/08/2003	
Category:	F (co A (co B (ad C (fui D (ed	rrection) rresponds Idition of fe nctional m litorial mod splanations	odification of f dification) s of the above	n in an ei feature)		elease	2 P) R96 R97 R98 R99	R99 the following re (GSM Phase 2 (Release 1996) (Release 1997) (Release 1999) (Release 1999) (Release 4) (Release 5) (Release 6))))

the logical ENVE	byte of the card reader status TLV is code in contradiction to value (s.a. TS 11.14) in: OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1a OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1b OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1c OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1d OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2a OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2b OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2b OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2c OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2d OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2d OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2d OPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1a d occurrence) OPE: EVENT DOWNLOAD CARD READER STATUS 2.1.1b OPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2a OPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2b of ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2b				
Summary of change: # Above listed errors corrected. Consequences if # MEs will fail these tests due to incorrect coded expected data.					

not approved:	
Clauses affected:	36 27.22.7.7.1.4.2, 27.22.7.7.2.4.2
Other specs affected:	Y N % 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.7.7.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD, Card reader status, Card reader 1, card reader attached, no card inserted)

Step	Direction	Message / Action	Behaviour
1	$SIM \rightarrow ME$	PROACTIVE COMMAND 1.1.1 PENDING	
2	$ME \rightarrow SIM$	FETCH	
3	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	[EVENT: Card Reader Status]
4	$ME\toSIM$	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[Successfully]
5	$User\toME$	Insert a card in Reader	
6	$ME\toSIM$	ENVELOPE: CARD READER STATUS 1.1.1a or	
7 8		ENVELOPE: CARD READER STATUS 1.1.1b Or ENVELOPE: CARD READER STATUS 1.1.1c Or ENVELOPE: CARD READER STATUS 1.1.1d Remove the card from Reader ENVELOPE: CARD READER STATUS 1.1.2a Or ENVELOPE: CARD READER STATUS 1.1.2b Or ENVELOPE: CARD READER STATUS 1.1.2c Or ENVELOPE: CARD READER STATUS 1.1.2c Or ENVELOPE: CARD READER STATUS 1.1.2d	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	'00'
Device identities	
Source device:	SIM
Destination device:	ME
Event list	
Event 1:	Card Reader Status

Coding:

BER-TLV:	D0	0 <u>00</u> <u>C</u>	81	03	01	05	00	82	02	81	82
	99	01	06								

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	'00'
Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully

В		81	03	01	05	00	82	02	82	81	83	01	00	
---	--	----	----	----	----	----	----	----	----	----	----	----	----	--

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1a

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	Yes
Card reader present:	Yes
Card reader ID-1 size:	Yes
Card present in reader:	Yes
Card powered:	No

Coding:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	97<u>79</u>

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1b

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	Yes
Card reader present:	Yes
Card reader ID-1 size:	No
Card present in reader:	Yes
Card powered:	No

Coding:

1

	D6	<u>^</u>	00	01	00	00	00	00	01	A 0	04	0550
BER-TLV:	1 1 2 10	0A	99	01	06	82	02	ÖZ	Ö	A0	01	HADY
	00	0/ (00	0.	00	01	01	01	01	7.0	0.	0000

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1c

Logically:

Event list

Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	No
Card reader present:	Yes
Card reader ID-1 size:	Yes
Card present in reader:	Yes
Card powered:	No

BER-TLV: D6 0A 99 01 06 82 02 82 81 A0 0	01 <u>1771</u>	A0	81		02	82	06	01	99	0A	D6	BER-TLV:
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ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1d

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	No
Card reader present:	Yes
Card reader ID-1 size:	No
Card present in reader:	Yes
Card powered:	No

Coding:

1

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2a

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	Yes
Card reader present:	Yes
Card reader ID-1 size:	Yes
Card present in reader:	No
Card powered:	No

Coding:

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2b

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	Yes
Card reader present:	Yes
Card reader ID-1 size:	No
Card present in reader:	No
Card powered:	No

Coding:

1

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	91<u>19</u>

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2c

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	No
Card reader present:	Yes
Card reader ID-1 size:	Yes
Card present in reader:	No
Card powered:	No

Coding:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	13<u>31</u>

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2d

Logically:

Event list Card Reader Status Event 1: Device identities ME Source device: Destination device: SIM Card reader status Identity of card reader: 01 Card reader removable: No Card reader present: Yes Card reader ID-1 size: No Card present in reader: No Card powered: No Coding: BER-TLV: D6 0A 99 01 06 82 02 82 81 A0 01 9111

27.22.7.7.2.4.2 Procedure

Expected Sequence 2.1 (EVENT DOWNLOAD, Detachable reader, Card reader 1, detachable card reader not attached, no card inserted)

Step	Direction	Message / Action	Behaviour
1	$SIM\toME$	PROACTIVE COMMAND	
		1.1.1PENDING	
2	$ME \rightarrow SIM$	_	
3	$SIM \rightarrow ME$		[SET UP EVENT: Card Reader Status]
		EVENT LIST 1.1.1	
4	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[Successfully]
		EVENT LIST 1.1.1	
5		Attach the Card Reader to ME	
6	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE: CARD READER	
		STATUS 2.1.1a	
		Or	
		ENVELOPE: CARD READER	
_		STATUS 2.1.1b	
7		Detach the Card Reader from ME	
8	$ME \rightarrow SIM$	ENVELOPE: CARD READER	
		STATUS 2.1.2a	
		Or	
		ENVELOPE: CARD READER	
		STATUS 2.1.2b	

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 42.1.1a

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	Yes
Card reader present:	Yes
Card reader ID-1 size:	Yes
Card present in reader:	No
Card powered:	No

Coding:

BER-TLV:	D6 0A	99	01	06	82	02	82	81	A0	01	93<u>39</u>
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ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.1b

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	Yes
Card reader present:	Yes

Card reader ID-1 size:	No
Card present in reader:	No
Card powered:	No

1

		BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0		91 19
--	--	----------	----	----	----	----	----	----	----	----	----	----	--	------------------

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2a

Logically:

Event list	
Event 1:	Card Reader Status
Device identities	
Source device:	ME
Destination device:	SIM
Card reader status	
Identity of card reader:	01
Card reader removable:	Yes
Card reader present:	No
Card reader ID-1 size:	Yes
Card present in reader:	No
Card powered:	No

Coding:

1

[BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	92 29	ĺ
---	----------	----	----	----	----	----	----	----	----	----	----	----	------------------	---

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2b

Logically:

Event list													
Eve	nt 1:		Car	d Read	ler Stati	18							
Device iden	ntities												
Sou	ce device	:	ME										
Des	ination de	evice:	SIN	1									
Card reade	status												
Iden	tity of car	d reader	r: 01										
Care	l reader re	movabl	e: Yes										
Care	l reader pr	resent:	No										
Care	l reader II	D-1 size	: No										
Care	l present i	n readei	:: No										
Care	l powered	:	No										
~													
Coding:													
BEF	R-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	90<u>09</u>

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

Tdoc **#T3-030720**

CHANGE REQUEST									CR-Form-v7		
æ	11.1	<mark> 0-4</mark>	CR	A045	жre	v -	ж	Current vers	ion:	8.4.0	ж
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 X Core Network											
Title:	<mark>೫ Ess</mark>	ential	correctio	ons to Rece	ive Dat	a test ca	ases				
Source:	<mark>ж Т3</mark>										
Work item code:	<mark>೫ TEI</mark>							Date: ೫	22/0	08/2003	
Category:	Detai	F (con A (con B (add C (fun D (edi led exj	rection) responds dition of fe ctional m torial mod	odification of dification) s of the above	ion in an Feature)			Release: % Use <u>one</u> of 2 (e) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the fol (GSM (Relea (Relea (Relea (Relea (Relea (Relea	-	ases:

Reason for change: %	•	The initial conditions don't reflect the connection to the System Simulator
	•	For the expected sequence 1.1 it is assumed that an OPEN CHANNEL proactive command has been executed successfully prior to the test. To avoid incostistencies between the data used by the SIM Simulator and the data used by System Simulator, the expected sequences need to be enhanced by the required data to execute the OPEN CHANNEL proactive command successfully.
	•	According to the initial conditions it is required to execute a SET UP EVENT LIST proactive command with the data available event before executing the test. It is not stated that this has to be done successfully.
	•	Expected sequences 1.1 doesn't refelect the interaction with the network when receiving data through the channel.
	•	The source device identity shall be ME in TERMINAL RESPONSES RECEIVE DATA 1.1.1 to 1.1.5
	•	The test requirement clause is missing.
Summary of change: #	•	Initial conditions clause adjusted
	•	Expected sequences 1.1 enhanced by the required data to execute the OPEN CHANNEL proactive command. The data is taken from the OPEN CHANNEL test case, expected sequence 1.1 in clause 27.22.4.27 of TS 11.10-4. The buffer size is modified to 1KB. The statement "For that test, it is assumed that an open channel proactive command has been

	 successfully executed (with a SIM buffer size of at least 1 kB). " is deleted. Expected sequences 1.1 enhanced by the execution of the SET UP EVENT LIST (data available) proactive command to guarantee a successful execution of this command. The statemanet "The SIM must have sent the SET UP EVENT LIST to the ME to supply a set of events (event Data available)." deleted in the initial conditions. Source devices in TERMINAL RESPONSE: RECEIVE DATA 1.1.1 to 1.1.5 corrected and test requirement clause inserted
Consequences if not approved:	 Possible inconsistencies between the data of the SIM Simulator and the System Simulator used in the OPEN CHANNEL proactive command might lead to not executable or failed tests because the OPEN CHANNEL proactive command can't be executed successfully. Without the successful execution of SET UP EVENT LIST (Data available) the test can't be executed. MEs will fail incorrect test.
Clauses affected:	% 27.22.4.29, 27.22.4.29.4.1, 27.22.4.29.4.2

					· · ·	
Other specs affected:	ж	Y	Ν	Other core specifications % Test specifications O&M Specifications		
Other comments:	ж					

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.
- 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.

27.22.4.29 RECEIVE DATA

27.22.4.29.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure. The SIM must have sent the SET UP EVENT LIST to the ME to supply a set of events (event Data available).

Expected sequence 1.1 (RECEIVE DATA, already opened channel)

For that test, it is assumed that an open channel proactive command has been successfully executed (with a SIM buffer size of at least 1 kB).

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1 PENDING	
<u>2</u> <u>3</u>	$\underline{ME}\to \underline{SIM}$		
<u>3</u>	$\underline{SIM}\to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		<u>1.1.1</u>	
<u>4</u>	$\underline{ME} \to \underline{SIM}$	TERMINAL RESPONSE: SET UP EVENT LIST	
		<u>1.1.1</u>	
<u>5</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 1.1.1	
<u>6</u>			Ummerstete liebereteblieberent OOD
<u>7</u>	$\underline{SIM} \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	[Immediate link establishment, CSD,
0		(immediate) 1.1.1 SETUP CALL	<u>9600bps V.32]</u>
<u>8</u> 9		CONNECTED	
<u>9</u> <u>10</u>		TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
10		(immediate) 1.1.1	Command performed successiony
<u>11</u>	$\underline{SS}\to ME$	Transfer of 1kB data to the ME through channel 1	
<u>+12</u>		ENVELOPPE (Data Available)	(1 kB bytes o f data in the ME buffer)
2<u>13</u>		PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 1.1.1	
3 14	$\text{ME} \rightarrow \text{SIM}$		
4 <u>15</u>		PROACTIVE COMMAND: RECEIVE DATA 1.1.1	200 Bytes
5 16		TERMINAL RESPONSE: RECEIVE DATA 1.1.1	,
6 17		PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 1.1.2	
7 <u>18</u>	$\text{ME} \rightarrow \text{SIM}$	FETCH	
8<u>19</u>		PROACTIVE COMMAND: RECEIVE DATA 1.1.2	200 Bytes
9 20		TERMINAL RESPONSE: RECEIVE DATA 1.1.2	
10<u>21</u>	$SIM\toME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 1.1.3	
11<u>22</u>	$\text{ME} \rightarrow \text{SIM}$		
12<u>23</u>		PROACTIVE COMMAND: RECEIVE DATA 1.1.3	200 Bytes
13<u>24</u>		TERMINAL RESPONSE: RECEIVE DATA 1.1.3	
14<u>25</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE	
4500		DATA 1.1.4	
15<u>26</u>	$ME \rightarrow SIM$		
16<u>27</u>		PROACTIVE COMMAND: RECEIVE DATA 1.1.4	200 Bytes
17<u>28</u>		TERMINAL RESPONSE: RECEIVE DATA 1.1.4	
18<u>29</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE	
1020		DATA 1.1.5	
19<u>30</u> 2021	$ME \rightarrow SIM$		200 Putoo
20 <u>31</u>		PROACTIVE COMMAND: RECEIVE DATA 1.1.5	200 Dytes
21<u>32</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: RECEIVE DATA 1.1.5	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

 Command details

 Command number:
 1

 Command type:
 SET UP EVENT LIST

 Command qualifier:
 RFU

 Device identities
 Source device:

 Source device:
 SIM

 Destination device:
 ME

 Event list
 Data available

BER-TLV:	<u>D0</u>	<u>0C</u>	<u>81</u>	<u>03</u>	01	05	00	<u>82</u>	02	<u>81</u>	82	<u>99</u>
	<u>01</u>	<u>09</u>										

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details	
Command number:	<u>1</u>
Command type:	SET UP EVENT LIST
Command qualifier:	RFU
Device identities	
Source device:	ME
Destination device:	SIM
<u>Result</u>	
General Result:	Command performed successfully

Coding:

BER-TLV:	81	03	01	05	00	82	02	82	81	83	01	00

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
NIPNPI:	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	1000

Coding:

BER-TLV :	<u>D0</u>	<u>1E</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>82</u>	<u>86</u>
	<u>09</u>	<u>91</u>	<u>11</u>	<u>22</u>	<u>33</u>	<u>44</u>	<u>55</u>	<u>66</u>	<u>77</u>	<u>F8</u>	<u>B5</u>	<u>04</u>
	<u>01</u>	<u>07</u>	<u>00</u>	<u>01</u>	<u>B9</u>	<u>02</u>	<u>03</u>	<u>E8</u>				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1

Logically:

 Command details

 Command number:
 1

 Command type:
 OPEN CHANNEL

 Command qualifier:
 immediate link establishment

Device identities	
Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel status	Channel identifier 1 and link established
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous
Connection element:	non-transparent
Buffer size	1000

BER-TLV:	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>00</u>
	<u>B8</u>	<u>02</u>	<u>81</u>	<u>01</u>	<u>B5</u>	<u>04</u>	<u>01</u>	<u>07</u>	00	<u>01</u>	<u>B9</u>	<u>02</u>
	<u>03</u>	<u>E8</u>										

PROACTIVE COMMAND: RECEIVE DATA 1.1.1

Logically:

Command details	
Command number:	1
Command type:	RECEIVE DATA
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data Length	
Channel Data Length:	200

Coding:

BER-TLV:	D0	0C	81	03	01	42	00	82	02	81	21	B7
	01	C8										

PROACTIVE COMMAND: RECEIVE DATA 1.1.2

Logically:

Command details	
Command number:	2
Command type:	RECEIVE DATA
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data Length	
Channel Data Length:	200

Coding:

BER-TLV:	D0	0C	81	03	02	42	00	82	02	81	21	B7
	01	C8										

PROACTIVE COMMAND: RECEIVE DATA 1.1.3

Logically:

Command details	
Command number:	3
Command type:	RECEIVE DATA
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data Length	
Channel Data Length:	200

Coding:

BER-TLV:	D0	0C	81	03	03	42	00	82	02	81	21	B7
	01	C8										

PROACTIVE COMMAND: RECEIVE DATA 1.1.4

Logically:

Command details	
Command number:	4
Command type:	RECEIVE DATA
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data Length	
Channel Data Length:	200

Coding:

BER-TLV:	D0	0C	81	03	04	42	00	82	02	81	21	B7
	01	C8										

PROACTIVE COMMAND: RECEIVE DATA 1.1.5

Logically:

Command details	
Command number:	5
Command type:	RECEIVE DATA
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	Channel 1
Channel Data Length	
Channel Data Length:	200

Coding:

BER-TLV:	D0	0C	81	03	05	42	00	82	02	81	21	B7
	01	C8										

TERMINAL RESPONSE: RECEIVE DATA 1.1.1

Logically:

Command details	
Command number:	1
Command type:	RECEIVE DATA
Command qualifier:	RFU
Device identities	
Source device:	Channel 1 <u>ME</u>
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel data length:	FF
Channel data length:	FF

I

BER-TLV:	81	03	01	42	00	82	02	<u>8</u> 24	81	83	01	00
	B6	C8	XX	XX	XX							
	B7	01	FF									

TERMINAL RESPONSE: RECEIVE DATA 1.1.2

Logically:

Command details	
Command number:	2
Command type:	RECEIVE DATA
Command qualifier	: RFU
Device identities	
Source device:	Channel 1 <u>ME</u>
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel data length	n: FF

Coding:

BER-TLV:	81	03	02	42	00	82	02	<u>8</u> 24	81	83	01	00
	B6	C8	XX	XX	XX							
	B7	01	FF									

TERMINAL RESPONSE: RECEIVE DATA 1.1.3

Logically:

Command details	
Command number:	3
Command type:	RECEIVE DATA
Command qualifier:	RFU
Device identities	
Source device:	Channel 1ME
Destination device:	SIM
Result	
General Result	Command performed su

General Result:Command performed successfullyChannel data length:FF

Coding:

BER-TLV:	81	03	03	42	00	82	02	<u>8</u> 24	81	83	01	00
	B6	C8	ХХ	XX	XX							
	B7	01	FF									

TERMINAL RESPONSE: RECEIVE DATA 1.1.4

Logically:

Command details

Command number: 4
e: RECEIVE DATA
lifier: RFU
Channel 1 <u>ME</u>
vice: SIM
: Command performed successfully
ength: C8

Coding:

BER-TLV:	81	03	04	42	00	82	02	<u>8</u> 24	81	83	01	00
	B6	C8	ХХ	XX	ХХ							
	B7	01	C8									

TERMINAL RESPONSE: RECEIVE DATA 1.1.5

Logically:

Cor	nmand details	
	Command number:	5
	Command type:	RECEIVE DATA
		-Command qualifier: RFU
Dev	vice identities	
	Source device:	Channel 1 <u>ME</u>
	Destination device:	SIM
Res	ult	
	General Result: Channel data length:	Command performed successfully 00

Coding:

BER-TLV:	81	03	01	42	00	82	02	<u>8</u> 24	81	83	01	00
	B6	C8	ХХ	XX	XX							
	B7	01	00									

27.22.4.29.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1.

		С	HANGE	EREQ	UE	ST			CR-Form-v7
¥	11.10-4	CR	A047	жrev	-	ж	Current vers	^{ion:} 8.4.0	ж
For <u>HELP</u> or	using this fo	orm, see k	bottom of thi	s page or	look	at th	e pop-up text	over the ¥ sy	mbols.
Proposed chang	e affects:	UICC ap	ps # <mark>X</mark>	MEX	Rac	dio A	ccess Networ	k X Core N	etwork
Title:	# Essentia	l correction	ons to chanr	nel status	event	t dov	vnload test ca	se	
Source:	ж <mark>Т3</mark>								
Work item code:	ж <mark>ТЕ</mark> І						Date: ೫	22/08/2003	
Category:	F (co A (co B (ac C (fu D (co	rrection) prresponds Idition of fe nctional m litorial mod splanations	odification of dification) s of the above	on in an ea feature)		elease	2 =) R96 R97 R98 R99	R99 the following rei (GSM Phase 2, (Release 1996) (Release 1997) (Release 1999) (Release 4) (Release 5) (Release 6))))

Reason for change: #	 The initial conditions of the channel status event don't reflect the required System Simulator support for this test. Additionaly the insufficient description of the Set Up Event List execution would allow to execute and pass this test even if the required Set Up Event List command wouldn't be executed successfully. Futhermore the expected sequence is not complete in comparison with the rest of TS 11.10-4. Expected sequence 1.1: In this TS 11.10-4 the term "SS" instead of "network" is used to reflect the System Simulator ENVELOPE: EVENT DOWNLOAD - Channel Status 1.1.1: Wrong length indicated
Summary of change: ¥	Above listed errors corrected and the statement related to the SET UP EVENT LIST command execution in the initial conditions is deleted . The exepected sequence is enhanced by the SET EVENT LIST and OPEN CHANNEL command execution. The data used for OPEN CHANNEL is the same as in cl. 27.22.4.27 (OPEN CHANNEL), expected sequence 1.1.
Consequences if % not approved:	MEs will fail the incorrect test and the insufficient description of the Set Up Event List execution in cl. 27.22.7.11.4.1 would allow to execute and pass this test even if the required Set Up Event List command wouldn't be executed successfully. The test procedure would be in contradiction to the other procedures of TS 11.10-4.

Clauses affected:	% 27.22.7.11.4.1, 27.22.7.11.4.2
Other specs affected:	Y N % 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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.7.11.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure. The SIM must have sent the SET UP EVENT LIST to the ME to supply a set of events (event Channel Status).

27.22.7.11.4.2 Procedure

Expected sequence 1.1 (EVENT DOWNLOAD - Channel Status on a link dropped)

For that test, it is assumed that an OPEN CHANNEL proactive command has been successfully executed.

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$\underline{SIM}\to ME$	PROACTIVE COMMAND PENDING:	
		SET UP EVENT LIST 1.1.1	
<u>2</u>	$\underline{ME} \rightarrow \underline{SIM}$	FETCH	
<u>3</u>	$\underline{SIM}\to ME$	PROACTIVE COMMAND: SET UP	[EVENT: channel status]
		EVENT LIST 1.1.1	
<u>4</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: SET UP	[command performed successfully]
-		EVENT LIST 1.1.1	
<u>5</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE COMMAND PENDING:	
		OPEN CHANNEL 1.1.1	
<u>6</u>	$\underline{ME} \rightarrow \underline{SIM}$	<u>FETCH</u>	
<u>7</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE COMMAND: OPEN	
		CHANNEL (immediate) 1.1.1	
<u>8</u>	$\underline{ME} \rightarrow \underline{SS}$	SETUP CALL	
<u>9</u>	$\underline{SS}\to ME$	CONNECTED	
<u>10</u>	$ME \rightarrow SIM$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.1.1	
<u>11</u> 4	NETWORK <u>SS</u> →	Link dropped	
	ME		
<u>12</u> 2	$ME\toSIM$	ENVELOPE 1.1.1 (Event-Channel	
		Status)	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details	
Command number:	1
Command type:	SET UP EVENT LIST
Command qualifier:	<u>'00'</u>
Device identities	
Source device:	SIM
Destination device:	ME
Event list	
Event 1:	Channel Status

Coding:

BER-TLV :	<u>D0</u>	<u>0C</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>05</u>	<u>00</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>82</u>
	<u>99</u>	<u>01</u>	<u>0A</u>								

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:	<u>1</u>
Command type:	SET UP EVENT LIST
Command qualifier:	<u>'00'</u>
Device identities	
Source device:	ME
Destination device:	SIM
<u>Result</u>	
General Result:	Command performed successfully

ER-TLV: <u>81</u> <u>03</u> <u>01</u>	<u>05</u> <u>00</u> <u>82</u>	<u>02</u> <u>82</u> <u>81</u>	<u>83</u> <u>01</u> <u>00</u>
---------------------------------------	-------------------------------	-------------------------------	-------------------------------

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details	
Command number:	1
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	SIM
Destination device:	ME
Address	
TON:	International number
NIP:	ISDN / telephone numbering plan
Dialling number string	"112233445566778"
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous UDI
Connection element:	non-transparent
Buffer size	42

Coding:

BER-TLV:	<u>D0</u>	<u>1E</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>82</u>	<u>86</u>
	<u>09</u>	<u>91</u>	<u>11</u>	<u>22</u>	<u>33</u>	<u>44</u>	<u>55</u>	<u>66</u>	77	<u>F8</u>	<u>B5</u>	<u>04</u>
	<u>01</u>	<u>07</u>	<u>00</u>	<u>01</u>	<u>B9</u>	<u>02</u>	<u>00</u>	<u>2A</u>				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1

Logically:

Command details	
Command number:	<u>1</u>
Command type:	OPEN CHANNEL
Command qualifier:	immediate link establishment
Device identities	
Source device:	ME
Destination device:	SIM
<u>Result</u>	
General Result:	Command performed successfully
Channel status	Channel identifier 1 and link established
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32

Bearer service:data circuit asynchronousConnection element:non-transparentBuffer size42

Coding:

BER-TLV :	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>00</u>
	<u>B8</u>	<u>02</u>	<u>81</u>	<u>01</u>	<u>B5</u>	<u>04</u>	<u>01</u>	<u>07</u>	<u>00</u>	<u>01</u>	<u>B9</u>	<u>02</u>
	<u>00</u>	<u>2A</u>										

ENVELOPE: EVENT DOWNLOAD - Channel Status 1.1.1

Logically:

Event list	
Event:	Channel Status
Device identities	
Source device:	ME
Destination device:	SIM
Channel status	
Channel status:	Channel 1, link dropped

Coding:

BER-TLV:	D6	<u>0€0</u> <u>₿</u>	99	01	09	82	02	82	81	B8	02	01
	05											

3GPP TSG-T3 Meeting #28 Marseille, France, 19.-22.08.2003

CR page 1

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CHANGE REQUEST														CR-Form-v7
ж	1	<mark>1.10</mark> -	4 CF	२	A048	ж	rev	-	ж	Current vers	sion:	8.4	.0	ж
For <u>HELP</u> or	n usir	ng this	form, s	ee bo	ottom of	this pa	ige or	look	at the	e pop-up text	tover	the ¥	syn	nbols.
Proposed chang	ie aff	ects:	UICC	C app	s# <mark>X</mark>	I	ME X	Rad	dio Ad	ccess Netwo	rk X] Core	e Ne	twork
Title:	жI	<u>Essent</u>	ial corr	ectio	ns to Ge	et Char	nel St	atus	test o	cases				
Source:	ж	ГЗ												
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Category:	D	lse <u>one</u> F (c A (c B (a C (i D (c etailed	correctic correspo addition function editorial	on) onds i of fea al mo modi ations	dification fication) of the ab	ection in of feat	ure)		elease	Release: # Use <u>one</u> of 2 9) R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	the fo (GSN (Rele (Rele (Rele (Rele (Rele	-	e 2) 996) 997) 998) 999)	ases:

Reason for change: Ж	 The initial conditions don't reflect the connection to the System Simulator For the expected sequences 1.2 and 1.3 it is assumed that an OPEN CHANNEL proactive command has been executed successfully prior to the test. To avoid incostistencies between the data used by the SIM Simulator and the data used by System Simulator, the expected sequences need to be enhanced by the required data to execute the OPEN CHANNEL proactive command successfully. Expected sequences 1.3 doesn't refelect any interaction with the network when the link has to be dropped. In the current implementation the link
	 would never be dropped and the sequence can't be executed as intended. The test requirement clause is missing in 27.22.4.31.
Summary of change: #	 Initial conditions adjusted Expected sequences 1.2 and 1.3 enhanced by the required data to execute the OPEN CHANNEL proactive command. The data is taken from the OPEN CHANNEL test case, expected sequence 1.1 in clause 27.22.4.27 of TS 11.10-4. The statements "For that test, it's mandatory to assume that an open channel proactive command has been successfully executed (Channel 1)." are deleted.
	 Expected sequence 1.3 is enhanced to drop the link.

Consequences if not approved:	 Possible inconsistencies between the data of the SIM Simulator and the System Simulator used in the OPEN CHANNEL proactive command might lead to not executable or failed tests because the OPEN CHANNEL proactive command can't be executed successfully.
	 In the current implementation the link would never be dropped and the sequence can't be executed as intended.
Clauses affected:	# 27.22.4.31, 27.22.4.31.4.1, 27.22.4.31.4.2
Other specs affected:	Y N % 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.
- 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.

27.22.4.31 GET CHANNEL STATUS

27.22.4.31.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator. The elementary files are coded as Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.31.4.2 Procedure

Expected sequence 1.1 (GET STATUS, without any BIP channel opened)

For that test, no channel has been opened.

Step	Direction	MESSAGE / Action	Comments
1	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET CHANNEL	
		STATUS 1.1.1	
2	$\text{ME} \rightarrow \text{SIM}$	FETCH	
3	$SIM \to ME$	PROACTIVE COMMAND: GET	
		STATUS 1.1.1	
4	$\text{ME} \rightarrow \text{SIM}$	TERMINAL GET STATUS 1.1.1	[Command performed successfully]

Expected sequence 1.2 (GET STATUS, with a BIP channel currently opened)

For that test, it is assumed that an OPEN CHANNEL proactive command has been successfully executed (Channel 1).

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$\underline{SIM} \rightarrow \underline{ME}$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
		<u>1.2.1</u>	
<u>2</u> <u>3</u>	$ME \rightarrow SIM$	<u>FETCH</u>	
<u>3</u>	$\underline{SIM}\to \underline{ME}$	PROACTIVE COMMAND: OPEN	[Immediate link establishment, CSD, 9600bps
		CHANNEL (immediate) 1.2.1	<u>V.32]</u>
<u>4</u>	$\underline{ME} \to \underline{SS}$	SETUP CALL	
4 5 6	$\underline{SS \rightarrow ME}$	CONNECTED	
<u>6</u>	$\underline{ME}\to \underline{SIM}$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL (immediate) 1.2.1	
4 <u>7</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: GET CHANNEL	
		STATUS 1.2.1	
<u>8</u> 2	$ME \rightarrow SIM$		
3 9	$SIM \rightarrow ME$	PROACTIVE COMMAND: GET	
		STATUS 1.2.1	
<u>10</u> 4	$ME \rightarrow SIM$	TERMINAL GET STATUS 1.2.1	[Command performed successfully]

PROACTIVE COMMAND: OPEN CHANNEL 1.2.1

Logically:

Command number:1Command type:OPEN CHANNELCommand qualifier:immediate link establishmentDevice identitiesSource device:SIMDestination device:MEAddressTON:International numberNIPNPI:ISDN / telephone numbering planDialling number string"112233445566778"Bearer descriptionBearer type:CSDBearer parameterData rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparentBuffer size42	Command details	
Command qualifier:immediate link establishmentDevice identitiesSource device:SIMDestination device:MEAddressMEAddressInternational numberNIPNPI:ISDN / telephone numbering planDialling number string"112233445566778"Bearer descriptionBearer type:CSDBearer parameterData rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparent	Command number:	1
Device identitiesSource device:SIMDestination device:MEAddressTON:International numberNIPNPI:ISDN / telephone numbering planDialling number string"112233445566778"Bearer descriptionEarer type:Bearer type:CSDBearer parameterData rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparent	Command type:	OPEN CHANNEL
Source device:SIMDestination device:MEAddressInternational numberTON:International numberNIPNPI:ISDN / telephone numbering planDialling number string"112233445566778"Bearer description"112233445566778"Bearer type:CSDBearer parameterData rate:Data rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparent	Command qualifier:	immediate link establishment
Destination device:MEAddressTON:TON:International numberNIPNPI:ISDN / telephone numbering planDialling number string"112233445566778"Bearer descriptionBearer type:CSDBearer type:Bearer parameterData rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparent	Device identities	
AddressTON:International numberNIPNPI:ISDN / telephone numbering planDialling number string"112233445566778"Bearer descriptionBearer type:CSDEarer parameterData rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparent	Source device:	SIM
TON:International numberNIPNPI:ISDN / telephone numbering planDialling number string"112233445566778"Bearer descriptionBearer type:Bearer type:CSDBearer parameterData rate:Data rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparent	Destination device:	ME
NIPNPI:ISDN / telephone numbering planDialling number string"112233445566778"Bearer description"112233445566778"Bearer type:CSDBearer parameter"1000000000000000000000000000000000000	Address	
Dialling number string"112233445566778"Bearer descriptionCSDBearer type:CSDBearer parameterData rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparent	TON:	International number
Bearer description Bearer type: CSD Bearer parameter Data rate: 9600bps V.32 Bearer service: data circuit asynchronous UDI Connection element: non-transparent	NIPNPI:	ISDN / telephone numbering plan
Bearer type:CSDBearer parameterData rate:9600bps V.32Bearer service:data circuit asynchronous UDIConnection element:non-transparent	Dialling number string	"112233445566778"
Bearer parameter Data rate: 9600bps V.32 Bearer service: data circuit asynchronous UDI Connection element: non-transparent	Bearer description	
Data rate: 9600bps V.32 Bearer service: data circuit asynchronous UDI Connection element: non-transparent	Bearer type:	CSD
Bearer service: data circuit asynchronous UDI Connection element: non-transparent	Bearer parameter	
Connection element: non-transparent	Data rate:	9600bps V.32
	Bearer service:	data circuit asynchronous UDI
Buffer size 42	Connection element:	non-transparent
	Buffer size	42

Coding:

BER-TLV:	<u>D0</u>	<u>1E</u>	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>81</u>	<u>82</u>	<u>86</u>
	<u>09</u>	<u>91</u>	<u>11</u>	<u>22</u>	<u>33</u>	<u>44</u>	<u>55</u>	<u>66</u>	<u>77</u>	<u>F8</u>	<u>B5</u>	<u>04</u>
	<u>01</u>	<u>07</u>	<u>00</u>	<u>01</u>	<u>B9</u>	<u>02</u>	<u>00</u>	<u>2A</u>				

TERMINAL RESPONSE: OPEN CHANNEL 1.2.1

Logically:

 Command details

 Command number:
 1

 Command type:
 OPEN CHANNEL

 Command qualifier:
 immediate link establishment

 Device identities
 Source device:

 ME

Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel status	Channel identifier 1 and link established
Bearer description	
Bearer type:	CSD
Bearer parameter	
Data rate:	9600bps V.32
Bearer service:	data circuit asynchronous
Connection element:	non-transparent
Buffer size	42

BER-TLV:	<u>81</u>	<u>03</u>	<u>01</u>	<u>40</u>	<u>01</u>	<u>82</u>	<u>02</u>	<u>82</u>	<u>81</u>	<u>83</u>	<u>01</u>	<u>00</u>
	<u>B8</u>	<u>02</u>	<u>81</u>	<u>01</u>	<u>B5</u>	<u>04</u>	<u>01</u>	<u>07</u>	<u>00</u>	<u>01</u>	<u>B9</u>	<u>02</u>
	00	<u>2A</u>										

PROACTIVE COMMAND: GET STATUS 1.2.1

Logically:

Command details	
Command number:	1
Command type:	GET STATUS
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME

Coding:

BER-TLV:	D0	09	81	03	01	44	00	82	02	81	82

TERMINAL RESPONSE: GET STATUS 1.2.1

Logically:

S	
d number: 1	
d type: GET STA	TUS
d qualifier: RFU	
3	
evice: ME	
on device: SIM	
Result: Command	performed successfully
status: Channel 1	open, link established
d type: GET STA d qualifier: RFU s evice: ME on device: SIM Result: Command	performed successfull

Coding:

BER-TLV:	81	03	01	44	00	82	02	82	81	83	01	00
	B8	02	81	00								

Expected sequence 1.3 (GET STATUS, after a link dropped)

For that test, it is assumed that an OPEN CHANNEL proactive command has been successfully executed (Channel 1).

Step	Direction	MESSAGE / Action	Comments
<u>1</u>	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 1.2.1	
<u>2</u> 3	$ME \rightarrow SIM$	FETCH	
<u>3</u>	$\underline{SIM}\to \underline{ME}$	PROACTIVE COMMAND: OPEN CHANNEL	[Immediate link establishment, CSD,
		(immediate) 1.2.1	<u>9600bps V.32]</u>
<u>4</u>	$ME \rightarrow SS$	SETUP CALL	
4 5 6	$\underline{SS \rightarrow ME}$	CONNECTED	
<u>6</u>	$\underline{ME}\to \underline{SIM}$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		(immediate) 1.2.1	
<u>7</u>	$\underline{SS \rightarrow ME}$	DROP LINK	
<mark>4</mark> 8	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE EVENT DOWNLOAD: CHANNEL	[Link dropped]
		STATUS 1.3.1	
<u>9</u> 2	$SIM \rightarrow ME$	PROACTIVE COMMAND PENDING: GET	
		STATUS 1.3.1	
<u> 310</u>	$ME \rightarrow SIM$		
<u>11</u> 4		PROACTIVE COMMAND: GET STATUS 1.3.1	
<u>12</u> 5	$\text{ME} \rightarrow \text{SIM}$	TERMINAL GET STATUS 1.3.1	[Command performed successfully]

ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1

Logically:

Event	list											
	Event list:	Cl	nannel S	Status								
Devic	e identities											
	Source device:	Μ	E									
	Destination device	: SI	Μ									
Chanr	nel status											
	Channel status:	Cl	nannel 1	l, link d	lropped							
Coding:												
	BER-TLV: D6 05	0B	99	01	0A	82	02	82	81	B8	02	01

PROACTIVE COMMAND: GET STATUS 1.3.1

Logically:

Command details	
Command number:	1
Command type:	GET STATUS
Command qualifier:	RFU
Device identities	
Source device:	SIM
Destination device:	ME

Coding:

BER-TLV: D0	09 81	03 01	44 00	82	02	81	82	
-------------	-------	-------	-------	----	----	----	----	--

TERMINAL RESPONSE: GET STATUS 1.3.1

Logically:

Command details	
Command number:	1
Command type:	GET STATUS
Command qualifier:	RFU
Device identities	

Source device:	ME
Destination device:	SIM
Result	
General Result:	Command performed successfully
Channel status	
Channel status:	Channel 1, link dropped

BER-TLV:	81	03	01	44	00	82	02	82	81	83	01	00
	B8	02	01	05								

27.22.4.31.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

CHANGE REQUEST											
ж	11.10-4	4 CR	A049	жrev	-	ж	Current vers	^{ion:} 8.4	.0 ^ж		
For HELP on using this form, see bottom of this page or look at the pop-up text over the X symbols.											
Proposed change affects: UICC apps X ME X Radio Access Network Core Network											
Title:	# Essentia	al correction	ons to CB d	ata downlo	oad te	est ca	ases				
Source:	ж <mark>Т3</mark>										
Work item code	: ೫ <mark>TEI</mark>						Date: ೫	22/08/200)3		
Category:	F (cc A (cc B (au C (fu D (eu Detailed e	orrection) orresponds ddition of fe Inctional mo ditorial mod	odification of dification) s of the above	ion in an ear Feature)			2	R99 the following (GSM Phas (Release 19 (Release 19 (Release 19 (Release 19 (Release 4) (Release 5) (Release 6)	e 2) 196) 197) 198)		

Reason for change: ¥	 TS 11.14 states "If the message identifier of the incoming cell broadcast message is not found in EF_{CBMID}, then the ME shall determine if the message should be displayed, by following the procedures in TS 23.041 [7] and TS 11.11 [20]." Expected sequence 1.3 does not check if this requirement is fulfilled, though the intention of this sequence is to do so. According to TS 11.11, clause 11.6.11 there's no requirement to use an ENVELOPE (SMS-CB download) to pass a cell broadcast message received by the ME to the SIM, if the message identifier is not found in EF_{CBMID}. Therefore the second occurrence of ENVELOPE: SMS-CB DOWNLOAD 1.1 is useless and can be deleted. The test requirement clause does not refer to the correct sequence numbers.
Summary of change: %	 An additional step is inserted in the expected sequence 1.3, which leads to a check if the message is displayed. The second occurrence of ENVELOPE: SMS-CB DOWNLOAD 1.1 is deleted. The test requirement corrected
Consequences if % not approved:	The feature that should be tested according to the test intention won't be tested.

Clauses affected: % 27.22.5.2.4.2, 27.22.5.2.5

I

Other specs affected:	ж	Y	Ν	Other core specifications # Test specifications O&M Specifications	£	
Other comments:	ж					

1

How to create CRs using this form:

I

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <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.

27.22.5.2.4.2 Procedure

Expected Sequence 1.3 (SMS-CB (DATA DOWNLOAD), ME displays message)

Step	Direction	MESSAGE / Action	Comments
1	$SS\toME$	SMS-CB (DATA DOWNLOAD) 1.2	Message identifier '0C 0C'
2	ME → USER	ME displays message	

SMS-CB (Data Download) Message 1.2

Logically:

I

Message Content	
Serial Number	
Geographical scope:	Cell wide, normal display mode
Message code:	1
Update number:	1
Message Identifier:	"0C0C"
Data coding Scheme	
Message Coding:	8 bit data
Message class:	No message class
Page Parameter	
Total number of pages:	1
Page number:	1
Content of message:	"Cell Broadcast".

Coding:

BER-TLV:	C0	11	0C	0C	F4	11	43	65	6C	6C	20	42
	72	6F	61	64	63	61	73	74	20	20	20	20
	20	20	20	20	20	20	20	20	20	20	20	20
	20	20	20	20	20	20	20	20	20	20	20	20
	20	20	20	20	20	20	20	20	20	20	20	20
	20	20	20	20	20	20	20	20	20	20	20	20
	20	20	20	20	20	20	20	20	20	20	20	20
	20	20	20	20								

ENVELOPE: SMS-CB DOWNLOAD 1.1

Logically:

Cell Broadcast Download	
Source device:	
	SIM
Cell Broadcast page	
Serial Number	
Geographical scope:	Cell wide, normal display mode
Update number:	<u> </u>
Message Identifier:	
Message Coding:	
Message class:	
Page Parameter	<u> </u>
Number of pages:	<u> </u>
Page number:	<u> </u>
Content of message:	"Cell Broadcast "

BER-TLV:	D2	5E	82	02	83	81	8C	58	C0	11	0C	9C
	F 4	11	43	65	6C	6C	20	4 2	72	6F	61	64
	63	61	73	74	20	20	20	20	20	20	20	20
	20	20	20	20	20							
	20	20	20	20	20							
	20	20	20	20	20							
	20	20	20	20	20							
	20	20	20	20	20							

27.22.5.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.3.

			С	HANGE			ST				CR-Form-v7
			-								
ж		11.10-4	CR	A053	жrev	-	ж	Current vers	sion:	8.4.0	ж
For <u>HELP</u> or	n u	sing this fo	rm, see	bottom of thi	is page of	[,] look	at th	e pop-up tex	t over	[.] the ສ syr	nbols.
Proposed chang	je a	affects:	UICC ap	ops# <mark>X</mark>	ME	<	dio A	ccess Netwo	rk X	Core Ne	etwork
Title:	ж	Essentia	correcti	ions to CALL	CONTR	OL B	SIN	/I (supplemer	ntary s	services) t	est case
								、	j	,	
Source:	ж	T3									
								-	00/0		
Work item code:	:ж	TEI						Date: #	22/0	08/2003	
Category:	ж	F						Release: #	R9	9	
		F (col	rrection)	wing categorie				Use <u>one</u> of 2	the fo (GSI	ollowing rele M Phase 2)	eases:
			rrespond dition of f	s to a correctio	on in an ea	arlier re	eleas	e) R96 R97	•	ease 1996) ease 1997)	
		,		odification of	feature)			R97 R98	,	ease 1997) ease 1998)	
		,		dification)	roataro)			R99	•	ease 1999)	
				is of the above	e categorie	es can		Rel-4		ease 4)	
		be found in			•			Rel-5	•	ease 5)	
								Rel-6	(Rele	ease 6)	

Reason for change: %	Test requirement clause is missing in: 0 27.22.6.2
	 According to TS 11.14, cl. 9.1.6 a SS String TLV instead of the address TLV is used in an Envelope Call Control for supplementary services. According to TS 11.14, cl. 12.14 the first byte of the value ("TON and NPI") is coded as for EF(ADN). TS 51.011, cl. 10.5.1 "EF(ADN)" states that he TON/NPI byte shall be set to "FF" by the ME if the dialling Number/SSC String does not contain a dialling number. Therefore the related data is incorrect in: ENVELOPE CALL CONTROL 2.1.1 ENVELOPE CALL CONTROL 2.3.1 ENVELOPE CALL CONTROL 2.4.1 CALL CONTROL RESPONSE 2.4.1
	 The interaction between ME and the network/ System Simulator is not reflected in the expected sequences 2.1 to 2.4
	 GSM 02.30 states that "The supplementary information (SI) may comprise e.g. a PIN code or Directory Number. Where a particular service request does not require any SI, "*SI" is not entered, e.g. Activation becomes SC#SEND." This means that the content of the SS String should be "*21#" instead of "*21*#" in: ENVELOPE CALL CONTROL 2.1.1 ENVELOPE CALL CONTROL 2.2.1 ENVELOPE CALL CONTROL 2.3.1 ENVELOPE CALL CONTROL 2.4.1

Summary of change: ೫	Test requirement clause inserted and initial conditions adjusted.
	TON/NPI byte in the SS String TLV corrected
	 Expected sequences 2.1 to 2.4 enhanced by the required data, which includes the insertion of REGISTER 2.1, RELEASE COMPLETE (SS RETURN RESULT) 2.1, REGISTER 2.4 and RELEASE COMPLETE (SS RETURN RESULT) 2.4. In expected sequence 2.3 the direction in step 6 (ME → SS) in combination with the action that the ME does not send SS operation forces a check at the SS that the ME doesn't send the SS operation. Otherwise this check doesn't need to be executed and the ME would be able to pass the test even if it sends the SS operation.
	 SS String content changed to "*21#" in ENVELOPE CALL CONTROL 2.1.1 ENVELOPE CALL CONTROL 2.2.1 ENVELOPE CALL CONTROL 2.3.1
	 ENVELOPE CALL CONTROL 2.3.1 ENVELOPE CALL CONTROL 2.4.1
•	
Consequences if % not approved:	The tests would be incorrect due to the wrong TON/NPI byte in the SS String and there won't be any test if the ME really sends the SS operation when call control by SIM is activated.
	,
Clauses affected: %	27.22.6.2, 27.22.6.2.4.1, 27.22.6.2.4.2
0.4	
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.

27.22.6.2 Procedure for Supplementary (SS) Services

27.22.6.2.4.1 Initial conditions

The ME is connected to the SIM Simulator and the System Simulator.

The elementary files are coded as SIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The call control service is allocated and activated in the SIM Service Table.

27.22.6.2.4.2 Procedure

Expected Sequence 2.1 (CALL CONTROL BY SIM , send SS, the SIM responds with '90 00')

Step	Direction	Message / Action	Comments
1	$User\toME$	The user selects the facility of the	
		ME which requires an	
		unconditional call forward	
		supplementary service operation	
		to be sent to the network (System	
		Simulator).	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
		2.1.1	
3	$SIM \rightarrow ME$	90 00	
4	$ME \rightarrow SS$	The ME sends the supplementary	[The ME sends the supplementary
		service operation with the	service operation with the information as
		information as sent to the SIM	sent to the SIM]
		REGISTER 2.1	
<u>5</u>	$\underline{SS \rightarrow ME}$	RELEASE COMPLETE (SS	
		RETURN RESULT) 2.1	

ENVELOPE CALL CONTROL 2.1.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
AddressSS String	
TON <u>/NPI</u> :	<u>"FF"Unknown</u>
NIP:	
Dialling number string	"*21 * #"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	13<u>12</u>	82	02	82	81	89	04<u>03</u>	81 <u>FF</u>	2A	A1 <u>B</u>	FB<u>13</u>
	<u>07</u> 13	<u>00</u> 07	<u>F1</u> 00	<u>10</u> F1	<u>00</u> 10	<u>01</u> 00	<u>00</u> 01	<u>01</u> 00	01		<u> </u>	

REGISTER 2.1

Logically (only SS argument):

ACTIVATE SS ARGUMENT SS-Code: - Call Forwarding Unconditional TeleserviceCode - All Tele Services

Coding:

BER-TLV	<u>30</u>	<u>06</u>	<u>04</u>	<u>01</u>	<u>21</u>	<u>83</u>	<u>01</u>	<u>00</u>		

RELEASE COMPLETE (SS RETURN RESULT) 2.1

Logically (only from operation code):

ACTIVATE SS RETURN RESULT
ForwardingInfo
SS-Code
- Call Forwarding Unconditional
ForwardFeatureList
ForwardingFeature
TeleserviceCode
- All Tele Services
<u>SS-Status</u>
- state ind.: operative
- provision ind.: provisioned
- registration ind.: registered
- activation ind.: active

Coding:

BER-TLV	<u>0C</u>	<u>A0</u>	<u>0D</u>	<u>04</u>	<u>01</u>	<u>21</u>	<u>30</u>	<u>08</u>	<u>30</u>	<u>06</u>	<u>83</u>	<u>01</u>
	00	<u>84</u>	<u>01</u>	<u>07</u>								

Expected Sequence 2.2 (CALL CONTROL BY SIM , send SS, allowed without modifications)

Step	Direction	Message / Action	Comments
1	$User\toME$	The user selects the facility of the	
		ME which requires an	
		unconditional call forward	
		supplementary service operation	
		to be sent to the network (System	
		Simulator).	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
		2.2.1	
3	$SIM \rightarrow ME$	9F 02	
4	$ME\toSIM$	GET RESPONSE	
5	$SIM \rightarrow ME$	CALL CONTROL RESULT 2.2.1	[Call control result: "Allowed without
			modifications"]
6	$ME \rightarrow SS$	The ME sends the supplementary	[The ME sends the supplementary
		service operation with the	service operation with the information as
		information as sent to the SIM	sent to the SIM]
		REGISTER 2.1	
<u>7</u>	$\underline{SS \rightarrow ME}$	RELEASE COMPLETE (SS	
		RETURN RESULT) 2.1	

ENVELOPE CALL CONTROL 2.2.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
AddressSS String	
TON <u>/NPI</u> :	<u>"FF"Unknown</u>
Dialling number string	"*21 * #"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	1 <mark>3</mark> 2	82	02	82	81	89	04 <u>3</u>	81 <u>FF</u>	2A	A1 <u>B</u> 1	FB <u>13</u>
	<u>07</u> 13	<u>00</u> 07	<u>F1</u> 00	<u>10</u> F1	<u>00</u> 10	<u>01</u> 00	<u>00</u> 01	<u>01</u> 00	01			

CALL CONTROL RESPONSE 2.2.1

Logically:

Call control result Allowed, no modifications

Coding:

BER-TLV: 00 00

Expected Sequence 2.3 (CALL CONTROL BY SIM, send SS, not allowed)

Step	Direction	Message / Action	Comments
1	$User\toME$	The user selects the facility of the	
		ME which requires an	
		unconditional call forward	
		supplementary service operation	
		to be sent to the network (System	
		Simulator).	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
		2.3.1	
3	$SIM \rightarrow ME$	9F 02	
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5			[Call control result: "Not Allowed"]
6	$ME \rightarrow SS$	The ME does not send the	
		supplementary service operation	

ENVELOPE CALL CONTROL 2.3.1

Logically:

Device identities Source device: ME Destination device: SIM AddressSS String TON/NPI: "FF"Unknown NIP: "ISDN / telephone numbering plan" or "unknown" Dialling number string "*21[±]#"

Location Information
MCC & MNC
LAC
Cell ID

the mobile country and network code (F110) the location Area Code (1) Cell Identity Value (0001)

Coding:

BER-TLV:	D4	1 <mark>3</mark> 2	82	02	82	81	89	04 <u>3</u>	81 <u>FF</u>	2A	A1 <u>B</u> 1	FB <u>13</u>
	<u>07</u> 13	<u>00</u> 07	<u>F1</u> 00	<u>10</u> F1	<u>00</u> 10	<u>01</u> 00	<u>00</u> 01	<u>01</u> 00	01		<u> </u>	

CALL CONTROL RESPONSE 2.3.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV: 01 00

Expected Sequence 2.4 (CALL CONTROL BY SIM, send SS, allowed with modifications)

Step	Direction	Message / Action	Comments
1	$\text{User} \to \text{ME}$	The user selects the facility of the	
		ME which requires an	
		unconditional call forward	
		supplementary service operation	
		to be sent to the network (System Simulator).	
2	$\text{ME} \rightarrow \text{SIM}$	ENVELOPE CALL CONTROL	
3	$SIM \to ME$		
4	$\text{ME} \rightarrow \text{SIM}$	GET RESPONSE	
5	$SIM\toME$	CALL CONTROL RESULT 2.4.1	[Call control result: "Allowed with modifications"]
6	$ME \rightarrow SS$	The ME sends the supplementary	[The ME sends the supplementary
		service operation with the	service operation with the information as
		information as sent by the	sent by the SIM]
		SIMREGISTER 2.4	
<u>7</u>	$\underline{SS} \rightarrow \underline{ME}$	RELEASE COMPLETE (SS	
		RETURN RESULT) 2.4	

ENVELOPE CALL CONTROL 2.4.1

Logically:

Device identities	
Source device:	ME
Destination device:	SIM
AddressSS String	
TON <u>/NPI</u> :	<u>"FF"Unknown</u>
NIP:	
Dialling number string	"*21 * #"
Location Information	
MCC & MNC	the mobile country and network code (F110)
LAC	the location Area Code (1)
Cell ID	Cell Identity Value (0001)

Coding:

BER-TLV:	D4	1 <mark>3</mark> 2	82	02	82	81	89	04 <u>3</u>	<mark>81</mark> FF	2A	A <u>B</u> 1	<mark>₩B13</mark>
	<u>07</u> 13	<u>00</u> 07	<u>F100</u>	<u>10</u> F1	<u>00</u> 10	<u>01</u> 00	<u>00</u> 01	<u>01</u> 00	01			

CALL CONTROL RESPONSE 2.4.1

Logically:

Call control result	Allowed, with modifications
SS String	
TON <u>/NPI</u>	<u>"FF"Unknown</u>
SS String	"*#21#"

Coding:

BER-TLV:	02	06	89	04	81 <u>FF</u>	BA	12	FB
----------	----	----	----	----	--------------	----	----	----

REGISTER 2.4

Logically (only SS argument):

INTERROGATE SS ARGUMENT SS-Code - Call Forwarding Unconditional

Coding:

BER-TLV 30 03 04 01 21

RELEASE COMPLETE (SS RETURN RESULT) 2.4

Logically (only from operation code):

INTERROGATE SS RESULT Call Forwarding Unconditional SS-Status - state ind.: operative - provision ind.: provisioned - registration ind.: registered - activation ind.: not active

Coding:

BER-TLV	<u>80</u>	<u>01</u>	<u>06</u>			

27.22.6.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.4.