3GPP TSG-T plenary meeting #21 ***Tdoc TP-030183***
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	F	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	F	8.4.0	8.5.0
T3-030645	11.10-4	A032	-	R99	Essential correction to Set Up Idle Mode Text test cases	F	8.4.0	8.5.0
T3-030714	11.10-4	A033	-	R99	Essential corrections to Power Off Card test case	F	8.4.0	8.5.0
T3-030715	11.10-4	A034	-	R99	Essential corrections to Perform Card APDU test cases	F	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

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

Tdoc ⌘T3- 030638

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A018** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Clarification on comprehension required flag usage
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	20/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	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 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 not approved:	⌘	A ME might fail several tests, when the ME decides to use valid comprehension required flag settings in contradiction to those defined in the fixed codings of TERMINAL RESPONSESs/ENVELOPEs in this document.

Clauses affected:	⌘	27

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

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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.

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

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CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A021** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Get Input test cases			
Source:	⌘	T3			
Work item code:	⌘	TEI	***Date:*** ⌘	20/08/2003	
Category:	⌘	**F**	***Release:*** ⌘	R99	

Use one of the following categories:
- ***F*** *(correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(addition of feature),*
- ***C*** *(functional modification of feature)*
- ***D*** *(editorial modification)*

Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

- TERMINAL RESPONSE : GET INPUT 1.2.1: Incorrect text string coding in text string TLV due to incorrect logical description (maximum response length in PROACTIVE COMMAND: GET INPUT 1.2.1 is 5 characters)
- Incorrect length indicated in:
  - 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 terminal response in contradiction to template in clause 9 (Format of tests) of TS 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: o 27.22.4.3.1.5 o 27.22.4.3.2.5 o 27.22.4.3.3.5 o 27.22.4.3.4.5 o 27.22.4.3.5.5 o 27.22.4.3.7.5 • Test requirement is missing in: o 27.22.4.3.6 • Expected Sequence 7.1: TS 11.14, cl. 6.4.3 (Get Input) states: " if the user has indicated the need to get help information,the ME shall send a TERMINAL RESPONSE with 'help information required by the user' result 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.
Consequences if not approved: ⌘	Incorrect and therefore not executable tests for Get Input.

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:	⌘	**Y**	**N**		
			N	Other core specifications	⌘
			N	Test specifications	
			N	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.

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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

[..]

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 → ME	PROACTIVE COMMAND PENDING: GET INPUT 1.2.1	
2	ME → SIM	FETCH	
3	SIM → 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 → USER	Display " Enter 67*#+"	Range of expected length is 5-5 Text string coding in packed format
5	USER → ME	Enter the input "67*#+" and completion	
6	ME → SIM	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

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: ME
- Destination device: SIM

Result
- General Result: Command performed successfully

Text string
Data coding scheme: packed SMS format
Text: "67*#+~~-~~"

Coding:

BER-TLV:	81	03	01	23	08	82	02	82	81	83	01	00
	8D	0~~8~~6	00	~~36~~B6	~~37~~9B	~~2A~~6A	~~23~~B4	~~2B~~02	~~22~~			

[..]

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INPUT 1.10.1~~0~~	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INPUT 1.10.1~~0~~	[digits only, SMS default alphabet, ME to echo text, packing not required, no help info available]
4	ME → USER	Request for input	Range of expected length is 0-5 Null Text string
5	USER → ME	Enter the input "12345" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INPUT 1.10.1~~0~~	[command performed successfully]

PROACTIVE COMMAND: GET INPUT 1.10.1~~0~~

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 1.10.1~~0~~

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: "12345"

Coding:

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

[..]

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INPUT 3.2.1	
2	ME → SIM	FETCH	
3	SIM → 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 "ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙ"	Range of expected length is 5-5 Text string length 70 characters, coding in 16 bits UCS2 alphabet format
5	USER → ME	Enter the input "Hello" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INPUT 3.2.1	[command performed successfully]

PROACTIVE COMMAND: 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: SIM
- Destination device: ME

Text String
- Data coding scheme: 16 bit data UCS2 alphabet format
- Text: "ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙ"

Response length
- Minimum length: 5
- Maximum length: 5

Coding:

BER-TLV:	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
	91	02	05	05								

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.

[..]

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 → ME	PROACTIVE COMMAND PENDING: GET INPUT 4.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INPUT 4.2.1	[character set, UCS2 alphabet, ME to echo text, packing not required, no help information available]
4	ME → USER	Display "Enter Hello:"	Range of expected length is no limit Text string coding in unpacked format
5	USER → ME	Enter the input "ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙ and completion	Input length 70 characters, coding in UCS2 format
6	ME → SIM	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~~No maximum length requirement

Coding:

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

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: ME
- Destination device: SIM

Result
- General Result: Command performed successfully
- Data coding scheme: UCS2

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 → ME	PROACTIVE COMMAND PENDING: GET INPUT 5.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INPUT 5.1.1	[digits only, SMS default alphabet, ME to echo text, packing not required, no help information available]
4	ME → USER	Display "Enter 12345" Display "12345"	Range of expected length is 5-5 Text string coding in unpacked format Default text coding in unpacked format
5	USER → ME	Completion	
6	ME → 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"

Coding:

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~~06	04	31	32	33	34
	35											

TERMINAL RESPONSE: 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: 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				

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INPUT 5.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INPUT 5.2.1	[digits only, SMS default alphabet, ME to echo text, packing not required, no help information available]
4	ME → USER	Display "Enter:" Display default text input: "***1111111111###***2222222222###***3333333333###***4444444444###***5555555555###***6666666666###***7777777777###***8888888888###***9999999999###***0000000000###"	Range of expected length is 5-5 Text string coding in unpacked format Default text length 160 bytes coding in unpacked format
5	USER → ME	Completion	
6	ME → SIM	TERMINAL RESPONSE: GET INPUT 5.2.1	[command performed successfully]

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###***2222222222###***3333333333###***4444444444###***5555555555###***6666666666###***7777777777###***8888888888###***9999999999###***0000000000###"

Coding:

BER-TLV:	D0	811B	BA81	8103	0301	0123	2300	0082	8202	0281	8182	828D	
	8D06	0704	0445	456E	6E74	7465	6572	7220	3A91	9102	02A0	A00	
	A017	1781	81A0	A104	042A	2A2A	2A2A	2A31	3131	3131	3131	3131	
	3131	3131	3131	3131	3123	2323	2323	232A	2A2A	2A2A	2A32	3231	
	3232	3232	3232	3232	3232	3232	3232	3232	3232	3223	2323	2323	
	232A	2A2A	2A2A	2A33	3333	3333	3333	3333	3333	3333	3333	3333	
	3333	3323	2323	2323	232A	2A2A	2A2A	2A34	3434	3434	3434	3434	
	3434	3434	3434	3434	3434	3423	2323	2323	232A	2A2A	2A2A	2A35	
	35	3535	3535	3535	35	3535	3535	3535	3535	3523	2323	2323	

35				35							
23 2A	2A2 A	2A2 A	2A36	3636	3636	3636	3636	36 36	3636	3636	3636
36 36	3623	2323	2323	23 2A	2A2 A	2A2 A	2A37	3737	3737	3737	3737
37 37	3737	3737	3737	3737	3723	2323	2323	23 2A	2A2 A	2A2 A	2A38
3838	3838	3838	3838	38 38	3838	3838	3838	3838	3823	2323	2323
23 2A	2A2 A	2A2 A	2A39	3939	3939	3939	3939	39 39	3939	3939	3939
39 39	3923	2323	2323	23 2A	2A2 A	2A2 A	2A30	3030	3030	3030	3030
30 30	3030	3030	3030	3030	3023	2323	2323	23			

TERMINAL RESPONSE: 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: ME
- Destination device: SIM

Result
- General Result: Command performed successfully

Text String
- Data coding scheme: unpacked, 8 bit data
- Text: "***1111111111###***2222222222###***3333333333###***4444444444###***5555555555###***6666666666###***7777777777###***8888888888###***9999999999###***0000000000###"

Coding:

BER-TLV:	81	03	01	23	00	82	02	82	81	83	01	00
	178D	81	A0A 1	04	2A	2A	2A	31	31	31	31	31
	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
	D030	1D30	8130	0330	0130	23	0023	8223	02	81	82	8D
	0A	04	3C	4E	4F	2D	49	43	4F	4E	3E	91
	02	00	0A	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 → ME	PROACTIVE COMMAND PENDING: GET INPUT 6.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INPUT 6.1.1	[BASIC-ICON self-explanatory for the Text string]
4	ME → USER	Display the BASIC-ICON for the prompt	Text string coding in unpacked format
5	USER → ME	Enter "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INPUT 6.1.1A	Command performed successfully]

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>"

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					

[..]

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INPUT 6.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INPUT 6.2.1	[BASIC-ICON non self-explanatory for the Text string]
4	ME → USER	Display "<BASIC-ICON>" and Display the BASIC-ICON for the prompt	Text string coding in unpacked format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INPUT 6.2.1A	[Command performed successfully]

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>"

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	1C20	81	03	01	23	00	82	02	81	82	8D
	0D8D	040D	3C04	423C	4142	5341	4953	4349	2D43	492D	4349	4F43
	4E4F	3E4E	913E	0291	0002	0A00	1E0A	021E	0102	0101	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 a 'help information required by the user' result value ~~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 → ME	PROACTIVE COMMAND PENDING: GET INPUT 7.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INPUT 7.1.1	[digits only, SMS default alphabet, ME to echo text, packing not required, help information available]
4	ME → USER	Display "Enter 12345"	Range of expected length is 5-5 Text string coding in unpacked format
5	USER → ME	Press "help"	
~~6~~	~~ME →USER~~	~~Display *Help information*~~	
~~7~~6	ME → SIM	TERMINAL RESPONSE: GET INPUT 7.1.1	[command performed ~~successfully~~, help 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:

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: ME
- Destination device: SIM

Result
- General Result: Help information required by the user

Coding:

BER-TLV:	81	03	01	23	80	82	02	82	81	83	~~13~~01	~~00~~13

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

Tdoc ⌘T3- 030640

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A025** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Polling off test case
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	20/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	• 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

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 http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.14.4.2 Procedure

Expected Sequence 1.1 (POLLING OFF)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: POLLING INTERVAL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: POLL INTERVAL 1.1.1	Interval = 1 min
4	ME → SIM	TERMINAL RESPONSE: POLL INTERVAL 1.1.1 A or TERMINAL RESPONSE: POLL INTERVAL 1.1.1B	[command performed successfully]
5	SIM → ME	PROACTIVE COMMAND PENDING: POLLING OFF 1.1.2	
6	ME → SIM	FETCH	
7	SIM → ME	PROACTIVE COMMAND: POLLING OFF 1.1.2	
8	ME → SIM	TERMINAL RESPONSE: POLLING OFF 1.1.2	[command performed successfully]
9	USER → SIM	Call to be set up	
10	ME → SIM	STATUS	SIM presence detection
11	ME	Time interval shall not exceed 30 seconds	
12	ME → 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
Duration
Time unit: Minutes
Time interval: 1

Coding:

BER-TLV:	81	03	01	03	00	82	02	82	81	83	01	00
	84	02	00	01								

TERMINAL RESPONSE: POLL INTERVAL 1.1.1B

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: 60

Coding:

BER-TLV:	81	03	01	03	00	82	02	82	81	83	01	00
	84	02	01	3C								

[..]

27.22.4.14.5 Test requirement

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

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

Tdoc ⌘T3- 030641

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A026** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Provide Local Information test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	20/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	• 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 not approved:	⌘	MEs might fail the test because incorrect coding of IMEI might be expected in the acceptance criteria.
Clauses affected:	⌘	27.22.4.15, 27.22.4.15.4.2

	Y	N		
Other specs affected: ⌘		N	Other core specifications	⌘
		N	Test specifications	
		N	O&M Specifications	

Other comments: ⌘

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PROVIDE LOCAL INFORMATION 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.2.1	
4	ME → SIM	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.2.1	[Command performed successfully, IMEI 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.

Coding:

BER-TLV:	81	03	01	26	01	82	02	82	81	83	01	00
	94	08	XX	XX	XX	XX	XX	XX	XX	XX		

As an example, if the IMEI of the mobile is "1234567890123456" then XX XX XX XX XX XX XX XX = ~~21 43 65 87 09 21 43 65~~1A 32 54 76 98 10 32 54. For further details see also 3GPP TS 04.08 [10], clause 10.5.1.

.

[..]

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 ⌘T3- 030642

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A027** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Send Short message test cases		
Source:	⌘	T3		
Work item code:	⌘	TEI	***Date:*** ⌘	20/08/2003
Category:	⌘	**F**	***Release:*** ⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- 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.

Summary of change: ⌘

- 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 not approved:	⌘	MEs will fail tests because of incorrect codings. Test description would be incorrect.

Clauses affected:	⌘	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 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 http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1	[packing not required, 8-bit data]
4	ME → USER	Display "Send SM"	[Alpha Identifier]
5	ME → SS	Send SMS-PP ~~"Test Message"~~ (SEND SHORT MESSAGE) Message 1.1	
6	SS → ME	SMS RP-ACK	
7	ME → SIM	TERMINAL RESPONSE: SEND SHORT MESSAGE 1.1.1	[Command performed successfully]

[..]

SMS-PP (SEND SHORT MESSAGE) Message 1.1

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

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

PROACTIVE COMMAND: 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: 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	8-bit data
Message class	class 0
TP-UDL	7
TP-UD	"Send SM"

Coding:

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:

BER-TLV:	01	00	09	91	10	32	54	76	F8	40	~~F4~~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:

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

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

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

[..]

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 characters user data~~bytes~~, successful)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 1.4. 1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 1.4.1	[packing required, 8 bit data]
4	ME → USER	Display " The address data object holds the RP_Destination_Address "	[Alpha Identifier]
5	ME → SS	Send SMS-PP (SEND SHORT MESSAGE) Message 1.4~~"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"~~	[message of 1~~6~~40 bytes user data]
6	SS → ME	SMS RP-ACK	
7	ME → SIM	TERMINAL RESPONSE: SEND SHORT MESSAGE 1.4.1	[Command performed successfully]

PROACTIVE COMMAND: 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: 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"

Coding:

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	3A	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

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:	~~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 ~~bytes~~characters user data, successful)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 1.5.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 1.5.1	[packing not required, SMS default alphabet]
4	ME → USER	Display " The address data object holds the RP_Destination_Address "	[Alpha Identifier]
5	ME → SS	Send SMS-PP ~~"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"~~ (SEND SHORT MESSAGE) Message 1.5	[message of 14~~6~~0 bytes user data]
6	SS → ME	SMS RP-ACK	
7	ME → SIM	TERMINAL RESPONSE: SEND SHORT MESSAGE 1.5.1	[Command performed successfully]

[..]

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 → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 1.6.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 1.6.1	[packing not required, SMS default alphabet]
4	ME → USER	Display "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 transparently; - A short message to be sent to the network in an SMS-SUBMIT "	[Alpha Identifier of 160 bytes]
5	ME → SS	Send SMS-PP (SEND SHORT MESSAGE) Message 1.6" "	~~[space]~~
6	SS → ME	SMS RP-ACK	
7	ME → SIM	TERMINAL RESPONSE: SEND SHORT MESSAGE 1.6.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.6.1

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: "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 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: " "

Coding:

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
	3A	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~~02	91	10
	40	F0	01	20								

SMS-PP (SEND SHORT MESSAGE) Message 1.6

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	"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~~02	91	10	40	F0	01	20

[..]

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

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

[..]

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

[..]

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 → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 2.1.1	[packing not required, 16-bit data]
4	ME → USER	Display "Send SM"	[Alpha Identifier]
5	ME → SS	Send SMS-PP (SEND SHORT MESSAGE) Message 2.1~~"ЗДРАВСТВУЙТЕ"~~	["ЗДРАВСТВУЙТЕ" = "Hello" in Russian]
6	SS → ME	SMS RP-ACK	
7	ME → SIM	TERMINAL RESPONSE: SEND SHORT MESSAGE 2.1.1	[Command performed successfully]

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 "ЗДРАВСТВУЙТЕ"

Coding:

BER-TLV:	D0	~~4D~~43	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:

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: 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
- 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 sequence~~s~~ 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 → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 3.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 3.1.1	[packing not required, 8-bit data]
4	ME → USER	Displays the icon and not the alpha identifier	[basic icon self-explanatory]
5	ME → SS	Send SMS-PP (SEND SHORT MESSAGE) Message 3.1~~"Test Message "~~	
6	SS → ME	SMS RP-ACK	
7	ME → SIM	TERMINAL RESPONSE: SEND SHORT MESSAGE 3.1.1A	[Command performed successfully]

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

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 3.1B (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 → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 3.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 3.1.1	[packing not required, 8-bit data, basic icon self-explanatory]]
4	ME → USER	Displays the alpha identifier without the icon	
5	ME → SS	Send SMS-PP (SEND SHORT MESSAGE) Message 3.1~~"Test Message "~~	
6	SS → ME	SMS RP-ACK	
7	ME → SIM	TERMINAL RESPONSE: SEND SHORT MESSAGE 3.1.1B	[Command performed successfully, but 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

Coding:

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

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

[..]

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 → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 3.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 3.2.1	[packing not required, 8-bit data, basic icon non-self-explanatory]
4	ME → USER	display "Send SM" without the icon	
5	ME → SS	Send SMS-PP (SEND SHORT MESSAGE) Message 3.2~~" Test Message "~~	
6	SS → ME	SMS RP-ACK	
7	ME → SIM	TERMINAL RESPONSE: SEND SHORT MESSAGE 3.2.1B	[Command performed successfully, but 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

Tdoc ⌘T3- 030643

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A028** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Language Notification test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	20/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	• 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 not approved:	⌘	The test would be insufficient and incorrect due to a proactive command, which is in contradiction to the test intention.

Clauses affected:	⌘	27.22.4.25.4.2, 27.22.4.25.5

		Y	N		
Other specs affected:	⌘		N	Other core specifications	⌘
			N	Test specifications	
			N	O&M Specifications	

Other comments: ⌘

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.25.4.2 Procedure

Expected Sequence 1.1 (LANGUAGE NOTIFICATION)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: LANGUAGE NOTIFICATION 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.1.1	Language specified in the command is different from the one set on the mobile.
4	ME → SIM	TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.1.1	[Command performed successfully]
5	SIM → ME	PROACTIVE SIM SESSION ENDED	Check that language of ME has been 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) → 73 65 or 'de'→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

Logically:

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

Coding:

BER-TLV:	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 → ME	PROACTIVE COMMAND PENDING: LANGUAGE NOTIFICATION 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.1.1	Language specified in the command is different from the one set on the mobile.
4	ME → SIM	TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.1.1	[Command performed successfully]
~~1~~5	SIM → ME	PROACTIVE COMMAND PENDING: LANGUAGE NOTIFICATION 1.2.1	
~~2~~6	ME → SIM	FETCH	
~~3~~7	SIM → ME	PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.2.1	
~~4~~8	ME → SIM	TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.2.1	[Command performed successfully]
~~5~~9	SIM → ME	PROACTIVE SIM SESSION ENDED	Check that initial language is set again.

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	~~01~~00	82	02	81	82

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 1.1 and 1.2.

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

Tdoc ⌘T3-030644

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A030** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Set Up Call test cases	
Source:	⌘	T3	
Work item code:	⌘	TEI	***Date:*** ⌘ 20/08/2003
Category:	⌘	**F**	***Release:*** ⌘ R99

Use one of the following categories:
- ***F*** *(correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(addition of feature),*
- ***C*** *(functional modification of feature)*
- ***D*** *(editorial modification)*

Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

- 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 3.2.1
  - PROACTIVE COMMAND: SET UP CALL 3.3.1
- 27.22.4.13.3.5 Test requirement refers to incorrect sequence numbers

Summary of change: ⌘ Above listed errors corrected

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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Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.13.1.4.2 Procedure

[..]

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

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

TERMINAL RESPONSE: SET UP CALL 1.2.1

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: ME
- Destination device: SIM

Result
- General Result: User did not accept ~~call set-up request~~the proactive command

Coding:

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 → ME	PROACTIVE COMMAND PENDING: SET UP CALL 1.~~2~~3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.~~2~~3.1	[only if not currently busy on another call with redial]
4	ME → USER	ME displays "Not busy with redial" during the user confirmation phase	
5	USER → ME	The user confirms the set up call	[user confirms the call]
6	ME → SS	ME attempts to set up a call to "+012340123456p1p2" at least twice	[redial mechanism]
7	ME → SIM	TERMINAL RESPONSE 1.3.1	[network currently unable to process command]
8	ME → USER	The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 1.~~2~~3.1

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

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: User Busy

Coding:

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 → ME	PROACTIVE COMMAND PENDING: SET UP CALL 1.~~3~~4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.~~3~~4.1	[putting all other calls on hold]
4	ME → USER	ME displays "On hold" during the user confirmation phase	
5	USER → ME	The user confirms the set up call	[user confirms the call]
6	ME → SS	The active call is put on hold	
7	ME→SS	The ME attempts to set up a call to "+012340123456p1p2"	
8	SS → ME	The ME receives the CONNECT message from the system simulator.	
9	ME → SIM	TERMINAL RESPONSE 1.4.1	[Command performed successfully]
10	USER → ME	The user ends the call after 5 s. The ME retrieves the previous call	

PROACTIVE COMMAND: SET UP CALL 1.~~3~~4.1

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

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	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 → ME	PROACTIVE COMMAND PENDING: SET UP CALL 1.45.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.45.1	[disconnecting all other calls]
4	ME → USER	ME displays "Disconnect" during the user confirmation phase	
5	USER → ME	The user confirms the set up call	[user confirms the call]
6	ME → SS	The ME disconnects the active call	
7	ME→SS	The ME attempts to set up a call to "+012340123456p1p2"	
8	SS → ME	The ME receives the CONNECT message from the system simulator.	
9	ME → SIM	TERMINAL RESPONSE 1.5.1	[Command performed successfully]
10	USER → ME	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

[..]

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP CALL 1.9.1	
2	ME → SIM	FETCH	
3	SIM → 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 → ME	The user confirms the set up call	[user confirmation]
5~~6~~	ME→SS	The ME attempts to set up a call to "012345678901234567890123456789*#*#*#*#*#0123456789012345678901234567890*#*#*#*#*#"	
~~7~~6	SS → ME	The ME receives the CONNECT message from the system simulator.	
7~~8~~	ME → SIM	TERMINAL RESPONSE 1.9.1	[Command performed successfully]
~~9~~8	USER → 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*#*#*#*#*#*#012345678901234567890123456789*#*#*#*#*#*# "

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 → ME	PROACTIVE COMMAND PENDING: SET UP CALL 1.11.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.11.1	[set up a call with called party subaddress]
4	ME → 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 → ME	PROACTIVE COMMAND PENDING: SET UP CALL 1.12.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.12.1	[only if not currently busy on another call with redial]
4	ME → USER	ME displays "Duration" during the user confirmation phase	
5	USER → ME	The user confirms the set up call	[user confirms the call]
6	ME → SS	ME attempts to set up a call to "+012340123456p1p2" . It stops its attempts after 10 seconds.	[redial mechanism with maximum duration of 10 seconds]]
7	ME → SIM	TERMINAL RESPONSE 1.12.1	[network currently unable to process command]
8	ME → USER	The ME returns in idle mode.	

PROACTIVE COMMAND: 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: SIM
- Destination device: Network
- Alpha identifier: "Duration"

Address
- TON: International
- NIP: ISDN / telephone numbering plan
- Dialling number string: "012340123456p1p2"

Duration
- Unit: Seconds
- Interval: 10

Coding:

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: User Busy

Coding:

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

27.22.4.13.3.4.2 Procedure

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 → ME	PROACTIVE COMMAND PENDING: SET UP CALL 3.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 3.1.1	Including icon identifier, icon shall be displayed in addition of the first alpha identifier
4	ME → USER	ME displays "Set up call Icon 3.1.1" and the basic icon during a user confirmation phase.	
5	USER → ME	The user confirms the set up call	[user confirmation]
6	ME→SS	The ME attempts to set up a call to "+012340123456p1p2"	
7	SS → ME	The ME receives the CONNECT message from the system simulator.	
8	ME → SIM	TERMINAL RESPONSE 3.1.1A	[Command performed successfully]
9	USER → 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 in EF IMG>

Coding:

BER-TLV:	D0	~~38~~30	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

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP CALL 3.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 3.2.1	Including icon identifier, icon shall be displayed instead of the first alpha identifier
4	ME → USER	ME displays the basic icon during a user confirmation phase.	
5	USER → ME	The user confirms the set up call	[user confirmation]
6	ME → SS	The ME attempts to set up a call to "+012340123456p1p2"	
7	SS → ME	The ME receives the CONNECT message from the system simulator.	
8	ME → SIM	TERMINAL RESPONSE 3.2.1A	[Command performed successfully]
9	USER → ME	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 in EF IMG>

Coding:

BER-TLV:	D0	~~38~~30	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 → ME	PROACTIVE COMMAND PENDING: SET UP CALL 3.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 3.3.1	Including icon identifier, icon shall be displayed in addition of the first alpha identifier
4	ME → USER	ME displays "Set up call Icon 3.3" and the colour icon during a user confirmation phase.	
5	USER → ME	The user confirms the set up call	[user confirmation]
6	ME→SS	The ME attempts to set up a call to "+012340123456p1p2"	
7	SS → ME	The ME receives the CONNECT message from the system simulator.	
8	ME → SIM	TERMINAL RESPONSE 3.3.1A	[Command performed successfully]
9	USER → ME	The user ends the call after 5 s. The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 3.3.1

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
- 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 in EF IMG>

Coding:

BER-TLV:	D0	~~38~~30	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	SIM → ME	PROACTIVE COMMAND PENDING: SET UP CALL 3.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 3.3.1	Including icon identifier, icon shall be displayed in addition of the first alpha identifier
4	ME → USER	ME only display alpha string: " Set up call Icon 3.3.1"	
5	USER → ME	The user confirms the set up call	[user confirmation]
6	ME → SS	The ME attempts to set up a call to "+012340123456p1p2"	
7	SS → ME	The ME receives the CONNECT message from the system simulator.	
8	ME → SIM	TERMINAL RESPONSE 3.3.1B	[Command performed successfully, but requested icon could not be displayed].
9	USER → ME	The user ends the call after 5 s. The ME returns in idle mode.	

TERMINAL RESPONSE: SET UP CALL 3.3.1B

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	~~83~~82	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 → ME	PROACTIVE COMMAND PENDING: SET UP CALL 3.4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 3.4.1	Including a second alpha identifier and two icons
4	ME → USER	ME display " Set up call Icon 3.4.1" without the icon	
5	USER → ME	The user confirms the set up call	[user confirmation]
6	ME → 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 → ME	The ME receives the CONNECT message from the system simulator.	
8	ME → SIM	TERMINAL RESPONSE 3.4.1B	[Command performed successfully, but requested icon could not be displayed].
9	USER → ME	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	~~83~~82	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 ⌘T3-030645

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A032** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential correction to Set Up Idle Mode Text test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	20/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- 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

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 TEXT 2.2.1B
  - 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: ⌘

- 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 http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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
~~1~~	~~SIM → ME~~	~~PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1~~	~~With the event Idle Screen available~~
~~2~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1~~	~~[Command performed successfully]~~
~~3~~	~~USER → 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~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.~~2~~1	[Idle Mode Text]
~~6~~2	ME → SIM	FETCH	
~~7~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.~~2~~1	
4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1	[Command performed successfully]
5	SIM → ME	PROACTIVE SIM SESSION ENDED	
6	USER → ME	Select idle screen	Only if idle screen not already available
~~8~~7	ME → USER	Display "Idle Mode Text"	
~~9~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.2~~	~~[Command performed successfully]~~
~~10~~	~~SIM → ME~~	~~PROACTIVE SIM SESSION ENDED~~	

~~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: Idle screen available~~

~~Coding:~~

~~BER-TLV:~~	~~D0~~	~~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:~~

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

~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 1.1.1~~

~~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 1.1.~~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
Data coding scheme: unpacked, 8 bit data
Text: "Idle Mode Text"

Coding:

BER-TLV:	D0	1A	81	03	01	28	00	82	02	81	82	8D
	0F	04	49	64	6C	65	20	4D	6F	64	65	20
	~~56~~54	65	78	74								

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.~~2~~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

Expected Sequence 1.2 (SET UP IDLE MODE TEXT, replace idle mode text)

Step	Direction	MESSAGE / Action	Comments
~~1~~	~~SIM → ME~~	~~PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1~~	~~With the event Idle Screen available~~
~~2~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1~~	~~[Command performed successfully]~~
~~3~~	~~USER → 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~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.~~2~~1	
~~6~~2	ME → SIM	FETCH	
~~7~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.~~2~~1	[Idle Mode Text]
~~8~~	~~ME → USER~~	~~Display "Idle Mode Text"~~	
~~9~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.~~2~~1	
5	USER → ME	Select idle screen	Only if idle screen not already available
6	ME → USER	Display "Idle Mode Text"	
~~10~~7	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.2.1	[Idle Mode Text]
~~11~~	~~ME → USER~~	~~Display "Toolkit Test"~~	
~~12~~8	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.2.1	
~~13~~9	SIM → ME	PROACTIVE SIM SESSION ENDED	
10	USER → ME	Select idle screen	Only if idle screen not already available
11	ME → 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: 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 1.3 (SET UP IDLE MODE TEXT, remove idle mode text)

Step	Direction	MESSAGE / Action	Comments
~~1~~	~~SIM → ME~~	~~PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1~~	~~With the event Idle Screen available~~
~~2~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1~~	~~[Command performed successfully]~~
~~3~~	~~USER → ME~~	~~Wait for the user returns to idle mode. Select idle screen~~	
~~4~~	~~ME → SIM~~	~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 1.1.1~~	
~~5~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.~~2~~1	
~~6~~2	ME → SIM	FETCH	
~~7~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.~~2~~1	["Idle Mode Text"]
4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1	
5	USER → ME	Select idle screen	Only if idle screen not already available
~~8~~6	ME → USER	Display "Idle Mode Text"	
~~9~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.2~~	
~~10~~7	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.3.1	
~~11~~8	ME → SIM	FETCH	
~~12~~9	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.3.1	[Remove idle mode text]
~~13~~	~~ME → USER~~	~~Display idle screen / "Idle Mode Text" not to be displayed~~	
~~14~~10	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.3.1	
~~15~~11	SIM → ME	PROACTIVE SIM SESSION ENDED	
12	USER → ME	Select idle screen	Only if idle screen not already available
13	ME → 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

Expected Sequence 1.4 (SET UP IDLE MODE TEXT, competing information on ME display)

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

SMS-PP 1.4.1

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
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"

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

PROACTIVE COMMAND: DISPLAY TEXT 1.4.1

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: "Toolkit Test 1"

Coding:

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

TERMINAL RESPONSE: DISPLAY TEXT 1.4.1

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	00

PROACTIVE COMMAND: PLAY TONE 1.4.1

Logically:

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

Coding:

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

TERMINAL RESPONSE: PLAY TONE 1.4.1

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 performed successfully

Coding:

BER-TLV:	81	03	01	20	00	82	02	82	81	83	01	00

Expected Sequence 1.5 (SET UP IDLE MODE TEXT, ME power cycled)

Step	Direction	MESSAGE / Action	Comments
~~1~~	~~SIM → ME~~	~~PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1~~	~~With the event Idle Screen available~~
~~2~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1~~	~~[Command performed successfully]~~
~~3~~	~~USER → ME~~	~~Wait for the mobile returns into idle mode.~~ ~~Select idle screen~~	
~~4~~	~~ME → SIM~~	~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 1.1.1~~	
~~5~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.1~~2~~	
~~6~~2	ME → SIM	FETCH	
~~7~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.1~~2~~	["Idle Mode Text"]
~~8~~	~~ME → USER~~	~~Display "Idle Mode Text"~~	
~~9~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1~~2~~	[command performed successfully]
5	USER → ME	Select idle screen	Only if idle screen not already available
6	ME → USER	Display "Idle Mode Text"	
~~10~~7	USER → ME	Power off ME	
~~11~~8	ME ⇔ SIM	GSM TERMINATION PROCEDURE	
~~12~~9	USER → ME	Power on ME	
~~13~~10	ME ⇔ SIM	GSM ACTIVATION PROCEDURE	
~~14~~11	ME ⇔ SIM	SIM INITIALIZATION	
12	USER → ME	Select idle screen	Only if idle screen not already available
~~14~~13	ME → 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
~~1~~	~~SIM → ME~~	~~PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1~~	~~With the event Idle Screen available~~
~~2~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1~~	~~[Command performed successfully]~~
~~3~~	~~USER → 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~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.1	[Idle Mode Text]
~~6~~2	ME → SIM	FETCH	
~~7~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.~~2~~1	
~~8~~	~~ME → USER~~	~~Display "Idle Mode Text"~~	
~~9~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.~~2~~1	
5	USER → ME	Select idle screen	Only if idle screen not already available
6	ME → USER	Display "Idle Mode Text"	
~~10~~7	SIM → ME	PROACTIVE COMMAND PENDING: REFRESH 1.6.1	
~~11~~8	ME → SIM	FETCH	
~~12~~9	SIM → ME	PROACTIVE COMMAND: REFRESH 1.6.1	[SIM Initialization]
~~13~~10	ME ⇔ SIM	SIM INITIALIZATION	
11	USER → ME	Select idle screen	Only if idle screen not already available
~~14~~12	ME → USER	Display idle screen / "Idle Mode Text" not to be displayed	
~~15~~13	ME → SIM	TERMINAL RESPONSE: REFRESH 1.6.1A or TERMINAL RESPONSE: REFRESH 1.6.1B	[Command performed successfully] [Command performed successfully with additional files read]
~~16~~14	SIM → ME	PROACTIVE SIM SESSION 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:

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: 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	82	81	83	01	00

TERMINAL RESPONSE: REFRESH 1.6.1B

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	01	01	03	82	02	82	81	83	01	03

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

Step	Direction	MESSAGE / Action	Comments
~~1~~	~~SIM → ME~~	~~PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1~~	~~With the event Idle Screen available~~
~~2~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1~~	~~[Command performed successfully]~~
~~3~~	~~USER → 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~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.7.1	[large text string]
~~6~~2	ME → SIM	FETCH	
~~7~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.7.1	
4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.7.1	[command performed successfully]
5	SIM → ME	PROACTIVE SIM SESSION ENDED	
6	USER → ME	Select idle screen	Only if idle screen not already available
~~8~~7	ME → USER	Display "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 ne"	[274 characters]
~~9~~	~~ME → SIM~~	~~TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.7.1~~	~~[command performed successfully]~~
~~10~~	~~SIM → 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: packed, SMS default alphabet
Text: "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 ne"

Coding:

BER-TLV:	D0	81	FBFD	81	03	01	28	00	82	02	81	82
	8D	81	EFF1	00	54	74	19	34	4D	36	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	0141
	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
	A840	E854	3274	0819	2E04	2F97	CF03	CBE5	6E79	7AD9	984D	9E0F
	7ED3	BBD3	416F	7337	7A68	9E4E	5DCF	06B3	A5CB	E7A0	20F4	761C
	D9C4	4C2E	079B	85E9	E7A0	A0F0	B01C	1B14	9476	6E83	C3D2	D96D
	E5 38	76BB	D9DC	4D2E	0FBB	D3E9	D361	6F7A	37FA	88ED	5C06	1E91
	A7CB	E7E3	E9F4	B73C	1BFD	4476	7F83	83E8	E86F	E810	321D	A85D
	59 06	0435	B588	C3ED	EEB0	BABB	396E	3C0E	A68F	D7E9	E575	6579
	B9 59	0BEE	4402	4551	97D1	4165	6950	329A	BBCC	0C2E	6A83	BFDA
	C9 6F	6572	1019	BD44	8C2F	A7E3	8301	E674	E8D0	301C	9B1D	0D66
	12B3	9741	41E2	E432	F488	1C9C	CE9E	0EC3	E7D9	CBE1	647C	5099
	DA0C	0D4A	0ABB	8341	DA61	6150	B73B	BBEC	2C76	0797	D1E5	D174
	6174	3A98	A80E	EC2A	9EBB	D7E7	E575	E579	3979	880E	8EA2	0EA3
	D3C3	4174	EE	32								

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

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

Step	Direction	Message / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	With the event Idle Screen available
2	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[Command performed successfully]
3	USER → 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 → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.2	[Idle Mode Text]
6	ME → SIM	FETCH	
7	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.2	
8	ME → USER	Display "Idle Mode Text"	
9	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.2	[Command performed successfully]
10	SIM → ME	PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.8.1	
11	ME → SIM	FETCH	
12	SIM → ME	PROACTIVE COMMAND: DISPLAY TEXT 1.8.1	[Normal priority, wait for user to clear message, unpacked, 8 bit data]
13	ME → USER	Display " Toolkit Test 1"	
14	USER → ME	Clear Message	
15	ME → SIM	TERMINAL RESPONSE: DISPLAY TEXT 1.8.1	[Command performed successfully]
16	SIM → ME	PROACTIVE SIM SESSION ENDED	
17	ME → USER	Display "Idle Mode Text"	

PROACTIVE COMMAND: 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

Device identities
- Source device: SIM
- Destination device: Display

Text String
- Data coding scheme: unpacked, 8 bit data
- Text: "Toolkit Test 1"

Coding:

BER-TLV:	D0	1A	81	03	01	21	80	82	02	81	02	8D
	0F	04	54	6F	6F	6C	6B	69	74	20	54	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
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	00

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

Step	Direction	Message / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	With the event Idle Screen available
2	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[Command performed successfully]
3	USER → 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 → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.2	[Idle Mode Text]
6	ME → SIM	FETCH	
7	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.2	
8	ME → USER	Display "Idle Mode Text"	
9	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.2	[Command performed successfully]
10	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.9.1	
11	ME → SIM	FETCH	
12	SIM → 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 → SIM	TERMINAL RESPONSE: PLAY TONE 1.9.1	[Command performed successfully]
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: 1
Command type: PLAY TONE
Command qualifier: "00"
Device identities
Source device: SIM
Destination device: Earpiece
Alpha identifier: "Dial Tone"
TONe: Standard supervisory tones: dial tone

Duration
Time unit: Seconds
Time interval: 5

Coding:

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

TERMINAL RESPONSE: PLAY TONE 1.9.1

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 performed successfully

Coding:

BER-TLV:	81	03	01	20	00	82	02	82	81	83	01	00

27.22.4.22.31.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 , 2, 3, 4, 5, 6 andto 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:

Record 1
<small icon>
Record 2
<tall icon (line)>

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
~~1~~	~~USER → ME~~	~~Select idle screen~~	
~~2~~	~~ME → SIM~~	~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.1.1~~	
~~3~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.1.1	[Icon is self-explanatory]
~~4~~2	ME → SIM	FETCH	
~~5~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.1.1	
~~6~~	~~ME → USER~~	~~Display the icon~~	
~~7~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.1.1A	[command performed successfully]
~~8~~5	SIM → ME	PROACTIVE SIM SESSION ENDED	
6	USER → ME	Select idle screen	Only if idle screen not already available
7	ME → 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:~~

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

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 in EF IMG>

Coding:

BER-TLV:	D0	19	81	03	01	28	00	82	02	81	82	8D
	0A~~F~~	04	49	64	6C	65	20	~~56~~74	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
~~1~~	~~USER → ME~~	~~Select idle screen~~	
~~2~~	~~ME → SIM~~	~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.1.1~~	
~~3~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.1.1	[Icon is self-explanatory]
~~4~~2	ME → SIM	FETCH	
~~5~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.1.1	
~~6~~	~~ME → USER~~	~~Display "Idle text" without the icon~~	
~~7~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.1.1B	[Command performed successfully, but requested icon could not be displayed]
~~8~~5	SIM → ME	PROACTIVE SIM SESSION ENDED	
6	USER → ME	Select idle screen	Only if idle screen not already available
7	ME → USER	Display "Idle text" without the icon	

TERMINAL RESPONSE: SET UP IDLE MODE ~~LIST~~ TEXT 2.1.1B

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

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

~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.2.1~~

~~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 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 in EF IMG>

Coding:

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

TERMINAL RESPONSE: SET UP IDLE MODE TEXT~~LIST~~ 2.2.1A

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

Step	Direction	MESSAGE / Action	Comments
~~1~~	~~USER → ME~~	~~Select idle screen~~	
~~2~~	~~ME → SIM~~	~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.2.1~~	
~~3~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.2.1	[Icon is not self-explanatory]
~~4~~2	ME → SIM	FETCH	
~~5~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.2.1	
~~6~~	~~ME → USER~~	~~Display "Idle text" without the icon~~	
~~7~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.2.1B	[Command performed successfully, but requested icon could not be displayed]
~~8~~5	SIM → ME	PROACTIVE SIM SESSION ENDED	
6	USER → ME	Select idle screen	Only if idle screen not already available
7	ME → 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
~~1~~	~~USER → ME~~	~~Select idle screen~~	
~~2~~	~~ME → SIM~~	~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.3.1~~	
~~3~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.3.1	[Icon is self-explanatory]
~~4~~2	ME → SIM	FETCH	
~~5~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.3.1	
	~~ME USER~~	~~Display "Idle text"~~	
~~7~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.3.1	[command performed successfully] [requested icon could not be displayed]
~~8~~5	SIM → ME	PROACTIVE SIM SESSION ENDED	
6	USER → 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~~
~~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 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 in EF IMG>

Coding:

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

TERMINAL RESPONSE: SET UP IDLE MODE TEXT~~LIST~~ 2.3.1

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

TERMINAL RESPONSE: SET UP IDLE MODE ~~LIST~~ TEXT 2.3.2

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

Step	Direction	MESSAGE / Action	Comments
~~1~~	~~USER → ME~~	~~Select idle screen~~	
~~2~~	~~ME → SIM~~	~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.4.1~~	
~~3~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.4.1	[Icon is not self-explanatory, no text string]
~~4~~2	ME → SIM	FETCH	
~~5~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.4.1	
~~6~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.4.1	
~~7~~5	SIM → ME	PROACTIVE SIM SESSION ENDED	

~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 2.4.1~~

~~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 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 in EF IMG>

Coding:

BER-TLV:	D0	~~19~~0D	81	03	01	28	00	82	02	81	82	9E
	02	01	01									

TERMINAL RESPONSE: SET UP IDLE MODE TEXT~~LIST~~ 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

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
~~1~~	~~USER → ME~~	~~Select idle screen~~	
~~2~~	~~ME → SIM~~	~~ENVELOPE: EVENT DOWNLOAD IDLE SCREEN AVAILABLE 3.1.1~~	
~~3~~1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 3.1.1	["Hello" in Russian]
~~4~~2	ME → SIM	FETCH	
~~5~~3	SIM → ME	PROACTIVE COMMAND: SET UP IDLE MODE TEXT 3.1.1	
~~6~~	~~ME → USER~~	~~Display " ЗДРАВСТВУЙТЕ"~~	~~["Hello" in Russian]~~
~~7~~4	ME → SIM	TERMINAL RESPONSE: SET UP IDLE MODE TEXT 3.1.1	
~~8~~5	SIM → ME	PROACTIVE SIM SESSION ENDED	
6	USER → ME	Select idle screen	Only if idle screen not already available
7	ME → USER	Display " ЗДРАВСТВУЙТЕ"	["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

27.22.4.22.3.5 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 ⌘T3-030646

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A037** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to CALL CONTROL BY SIM test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	20/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 *(GSM Phase 2)*
R96 *(Release 1996)*
R97 *(Release 1997)*
R98 *(Release 1998)*
R99 *(Release 1999)*
Rel-4 *(Release 4)*
Rel-5 *(Release 5)*
Rel-6 *(Release 6)*

Reason for change: ⌘

- 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: o 27.22.6.1.4 o Expected Sequence 1.3 o Expected Sequence 1.5 o 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**	Other core specifications	⌘	
		N	Test specifications		
		N	O&M Specifications		
Other comments:	⌘				

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	Set up a call to "+0123456789012345678 9"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.1.1	
3	SIM → ME	90 00	
4	ME → SS	The ME sets up the call without modification	[Set up call to "+0123456789012345678 9"]

[..]

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

Step	Direction	Message / Action	Comments
1	User → ME	Set up a call to "+0123456789012345678 9"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.2.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → 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 "+0123456789012345678 9"]

[..]

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 → ME	PROACTIVE COMMAND: SET UP CALL 1.3.1 PENDING	
2	ME→SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.3.1	[Set up call to "+012340123456"]
4	ME → SIM	ENVELOPE CALL CONTROL 1.3.1	
5	SIM → ME	9F 02	
6	ME → SIM	GET RESPONSE	
7	SIM → ME	CALL CONTROL RESULT 1.3.1	[Call control result: "Allowed, no modification"]
8	ME → SIM	TERMINAL RESPONSE: SET UP CALL 1.3.1	[command performed successfully]
9	ME → SS	The ME sets up the call without modification	[Set up call to "+012340123456"]

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
- Alpha identifier: ~~the initial phone number (~~"+012340123456"~~)~~

Address
- TON: International
- NPI: "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
- NPI: "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 1.3.1

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 → ME	Set up a call to "+01234567890123456789"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.4.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 1.4.1	[Call control result: "not Allowed"]
6	ME → SS	The ME does not set up the call	

[..]

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 → ME	PROACTIVE COMMAND: SET UP CALL 1.5.1 PENDING	
2	ME→SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.5.1	[Set up call to "+012340123456"]
4	ME → SIM	ENVELOPE CALL CONTROL 1.5.1	
5	SIM → ME	9F 02	
6	ME → SIM	GET RESPONSE	
7	SIM → ME	CALL CONTROL RESULT 1.5.1	[Call control result: "Not Allowed"]
8	ME → SIM	TERMINAL RESPONSE: SET UP CALL 1.5.1	[Permanent Problem - Interaction with Call Control by SIM]
9	ME → 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
- ~~Alpha identifier: the initial phone number (~~"+012340123456"~~)~~

Address
- TON: International
- NPI: "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
- NPI: "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 → ME	Set up a call to "+01234567890123456789"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.6.1	
3	SIM → ME	9F 07	
4	ME → SIM	GET RESPONSE	
5	SIM → 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 → ME	PROACTIVE COMMAND: SET UP CALL 1.7.1 PENDING	
2	ME→SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.7.1	[Set up call to "+012340123456"]
4	ME → SIM	ENVELOPE CALL CONTROL 1.7.1	
5	SIM → ME	9F 0B	
6	ME → SIM	GET RESPONSE	
7	SIM → ME	CALL CONTROL RESULT 1.7.1	[Call control result: "Allowed with modifications"~~,~~]
8	ME → SIM	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: 1
- Command type: SET UP CALL
- Command qualifier: Only if not currently busy on another call

Device identities
- Source device: ~~ME~~SIM
- Destination device: ~~SIM~~Network

Alpha identifier: "+012340123456"

Address
- TON: Intern~~N~~ational
- ~~NIP~~NPI: "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:	D0~~D~~ 4	21~~15~~	81~~02~~	03~~02~~	01~~82~~	10~~81~~	00~~06~~	82~~06~~	02~~80~~	81~~FB~~	83~~21~~
	05~~43~~	0D~~10~~	2B~~32~~	30~~13~~	31~~07~~	32~~00~~	33~~F1~~	34~~10~~	30~~00~~	31~~01~~	32~~00~~
	33~~01~~	34	35	36	86	07	91	10	32	04	21
	43	65									

ENVELOPE CALL CONTROL 1.7.1

Logically:

Device identities
- Source device: ME
- Destination device: SIM

Address
- TON: International
- N~~I~~PI: "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 1.7.1

Logically:

Call control result: '02' = Allowed with modifications
Address
TON: National
N~~I~~PI: "ISDN / telephone numbering plan" or "unknown"
Dialling number string "+01111111111~~012340123450~~"

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	10	00	82	02	82	81	83	01	00

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 → ME	Set up a call to "+01234567890123456789"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.8.1	
3	SIM → ME	9F 06	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 1.8.1	[Call control result: "Allowed with modifications"~~,~~]
6	ME → SS	The ME sets up an~~the~~ 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 → ME	Set up a call to "+01234567890123456789"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.9.1	
3	SIM → ME	9F 06	
4	ME → SIM	GET RESPONSE	
5	SIM → 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	

[..]

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 → ME	Set up a call to "112"	
2	ME → SIM	The ME does not send any ENVELOPE CALL CONTROL ~~1.9.1, set up the emergency call~~	
3	ME → 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 → ME	Set up a call to "+01234567890123456789"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.1.1	
3	SIM → ME	90 00	
4	ME → SS	The ME sets up the call without modification	[Set up call to "+01234567890123456789"]
5	USER → ME	End Call.	
6	USER → ME	Recall the last dialled number	
7	ME → SIM	ENVELOPE CALL CONTROL 1.1.1	
8	SIM → ME	90 00	
9	ME → SS	The ME sets up the call without modification	[Set up call to "+01234567890123456789"]
10	USER → ME	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.

Step	Direction	Message / Action	Comments
1	User → ME	Set up a call to "+01234567890123456789"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.2.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → 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 → ME	End the call then call the last dialled number	
8	ME → SIM	ENVELOPE CALL CONTROL 1.2.1	
9	SIM → ME	9F 02	[Call control result: "Allowed, no modification"]
10	ME → SIM	GET RESPONSE	[Set up call to "+01234567890123456789"]
11	SIM → ME	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 → ME	Set up a call to "+01234567890123456789"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.4.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 1.4.1	[Call control result: "not Allowed"]
6	ME → SS	The ME does not set up the call	
7	User → ME	The user calls the last dialled number	
8	ME → SIM	ENVELOPE CALL CONTROL 1.4.1	
9	SIM → ME	9F 02	
10	ME → SIM	GET RESPONSE	
11	SIM → ME	CALL CONTROL RESULT 1.4.1	[Call control result: "not Allowed"]
12	ME → SS	The ME does not set up the call	

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 → ME	Set up a call to "+01234567890123456789"	
2	ME → SIM	ENVELOPE CALL CONTROL 1.6.1	
3	SIM → ME	9F 07	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	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 → ME	Set up a call to "+01234567890123456789"	
8	ME → SIM	ENVELOPE CALL CONTROL 1.6.1	
9	SIM → ME	9F 07	
10	ME → SIM	GET RESPONSE	
11	SIM → ME	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.

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

Tdoc ⌘T3-030647

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A038** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to CALL CONTROL BY SIM (Interaction with FDN/ BDN) test cases
Source:	⌘	T3 –
Work item code:	⌘	TEI
Date:	⌘	20/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

- Test requirement clauses are missing in 27.22.6.3 and 27.22.6.4
- The interaction with the network/ System Simulator is not reflected in the initial conditions and in the “Direction” column in several expected sequences
- In expected sequence 4.4 FDN shall be enabled, but this is not refelected in the initial conditions.
- Expected sequence 3.1: Check at the SS and at the SIM is needed to verify the required behaviour

Summary of change: ⌘

- Test requirement clauses inserted
- Initial conditions and descriptions of affected expected sequences corrected
- Minor editorial corrections (“NIP” → “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	Other core specifications	⌘	
		N	Test specifications		
		N	O&M Specifications		
Other comments:	⌘				

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.6.3 Interaction with Fixed Dialling Number (FDN)

[..]

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 EF_{FDN})

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

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

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

ENVELOPE CALL CONTROL 3.2.1

Logically:

Device identities
- Source device: ME
- Destination device: SIM

Address
- ~~TON~~ Unknown
- ~~NIP~~NPI "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 EF_{FDN}, Allowed without modifications)

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

ENVELOPE CALL CONTROL 3.3.1

Logically:

Device identities
- Source device: ME
- Destination device: SIM

Address
- ~~TON~~ Unknown
- ~~NIP~~NPI "ISDN / telephone numbering plan"
- ~~Dialling~~ 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 → ME	The user sets up a call to "9876"	
2	ME → SIM	ENVELOPE CALL CONTROL 3.4.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → 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
~~NIP~~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 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 → ME	The user sets up a call to "9876"	
2	ME → SIM	ENVELOPE CALL CONTROL 3.5.1	
3	SIM → ME	9F 07	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 3.5.1	[Call control result: "Allowed with modifications"]
6	ME → SS	The ME sets up the call with data sent by the SIM	[Set up call to "3333"]

ENVELOPE CALL CONTROL 3.5.1

Logically:

Device identities
Source device: ME
Destination device: SIM
Address
TON Unknown
~~NIP~~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 3.5.1

Logically:

Call control result Allowed with modifications
Address
TON Unknown
NIP "ISDN / telephone numbering plan"
Address value "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 → ME	The user sets up a call to "321"	
2	ME → SIM	ENVELOPE CALL CONTROL 4.1.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 4.1.1	[Call control result: "Not Allowed"]
6	ME → SS	The ME does not set up the call	

ENVELOPE CALL CONTROL 4.1.1

Logically:

Device identities
Source device: ME
Destination device: SIM
Address
TON Unknown

~~NIP~~NPI "ISDN / telephone numbering plan"
~~Dialling~~ number string "321"

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				

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 EF_{BDN} , Allowed without modifications)

Step	Direction	Message / Action	Comments
1	User → ME	The user sets up a call to "1234"	
2	ME → SIM	ENVELOPE CALL CONTROL 4.2.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → 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~~NPI "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

Logically:

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 → ME	The user sets up a call to "1111"	
2	ME → SIM	ENVELOPE CALL CONTROL 4.3.1	
3	SIM → ME	9F 07	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 4.3.1	[Call control result: "Allowed with modifications"]
6	ME → SS	The ME sets up the call with data sent by the SIM	[Set up call to "2222"]

ENVELOPE CALL CONTROL 4.3.1

Logically:

Device identities
- Source device: ME
- Destination device: SIM

Address
- TON: Unknown
- NPI~~H~~P: "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
- NPI~~H~~P: "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 EF_{FDN}, Allowed with modifications)

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

ENVELOPE CALL CONTROL 4.4.1

Logically:

Device identities
- Source device: ME
- Destination device: 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.

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

Tdoc ⌘T3-030648

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A041** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title: ⌘	Essential corrections to language selection and browser termination event download test cases	
Source: ⌘	T3	
Work item code: ⌘	TEI	***Date:*** ⌘ 20/08/2003
Category: ⌘	**F**	***Release:*** ⌘ R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

- Source device identity shall be ME instead of Network in:
  - EVENT DOWNLOAD - LANGUAGE SELECTION 1.1.1
  - EVENT DOWNLOAD - LANGUAGE SELECTION 1.1.2
- Instead of the ENVELOPE (EVENT DOWNLOAD – Card Reader Status event) command the ENVELOPE (EVENT DOWNLOAD - Browser Termination) command shall be used to inform the SIM about a broswer termination.
- In step 1 of Expected Sequence 1.1 an incorrect reference to the required proactive command is used.
- PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1: Incorrect length indicated
- EVENT DOWNLOAD - LANGUAGE SELECTION 1.1.2: Wrong language used in the logical description

Summary of change: ⌘ Above listed errors corrected.

Consequences if not approved: ⌘ MEs will fail incorrect tests.

Clauses affected: ⌘ 27.22.7.8.1.4.2, 27.22.7.9.1.3, 27.22.7.9.1.4.2

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

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.7.8.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - LANGUAGE SELECTION)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	[set up event list: language selection]
2	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[command performed successfully]
3	USER → ME	Change the language to German.	
4	ME → SIM	ENVELOPE: LANGUAGE SELECTION 1.1.1	
5	USER → ME	Change the language to English	
6	ME → SIM	ENVELOPE: LANGUAGE SELECTION 1.1.2	check if an envelope Event Download-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	~~83~~82	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~~5~~4 6E~~5~~ (~~German~~English)

Coding:

BER-TLV:	D6	0B	19	01	07	82	02	~~83~~82	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 Status~~Browser 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 → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 PENDING	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	[EVENT: Browser termination Status]
4	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[Successfully]
5	User→ME	Launch the browser , go to an URL, then stop the session and the browser.	
6	ME→ SIM	ENVELOPE: BROWSER TERMINATION 1.1.1	

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: Browser termination

Coding:

BER-TLV:	D0	~~0D~~0C	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

Event 1: Browser termination
Device identities
Source device: ME
Destination device: SIM
Browser termination cause: User termination

Coding:

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

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

Tdoc ⌘T3-030649

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A054** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to MT Call, Call connected and Call disconnected event download test cases
Source:	⌘	T3 – TS 11.10-4 splinter group
Work item code:	⌘	TEI
Date:	⌘	20/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

- EVENT DOWNLOAD - MT CALL 1.1.3: One byte indicating a Called Party Subaddress TLV too much. Therefore the length of the BER-TLV is also incorrect.
- EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2 exists twice. That version with an incorrect Device Identity TLV coding has to be deleted.
- EVENT DOWNLOAD - CALL DISCONNECTED 1.1.3, 1.1.4A and 1.1.4B: Coded source device in contradiction to logical value
- Expected Sequence 2.1: Test procedure description insufficient (s.a. Set Up Call test cases)
- Logical description of alpha identifier in PROACTIVE COMMAND: SET UP CALL 2.1.1 might lead to misinterpretation
- Incorrect length indicated in EVENT DOWNLOAD - CALL DISCONNECTED 1.1.4A and 1.1.4B
- Expected Sequence 1.1 (EVENT DOWNLOAD -CALL DISCONNECTED): Action “DISCONNECT ACK” doesn’t exist and has to be deleted. The numbering has to be adjusted accordingly.

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:	⌘				

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 ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.7.1.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -MT Call event)

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

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~~NPI "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

Coding:

BER-TLV:	D6	~~19~~18	19	01	00	82	02	83	81	1C	01	00
	86	03	91	89	67	88	07~~88~~	80~~07~~	50~~80~~	95~~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 → ME	PROACTIVE COMMAND PENDING	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 2.1.1	[EVENT: Call Connected active]
4	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 2.1.1	
5	SIM → ME	PROACTIVE COMMAND PENDING	
6	ME → SIM	FETCH	
7	SIM → ME	PROACTIVE COMMAND: SET UP CALL 2.1.1	[SAT Call]
8	ME → USER	ME displays "+012340123456" during the user confirmation phase.	ME BEHAVIOUR: SET UP CALL
9	USER → ME	Confirm call set up	
10	ME → SS	SETUP	Ti=0
11	SS → ME	CONNECT	
12	ME → SIM	TERMINAL RESPONSE: SET UP CALL 2.1.1	
13	ME → SIM	ENVELOPE: CALL CONNECTED 2.1.1	

PROACTIVE COMMAND: 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: SIM
Destination device: ME
Event list
Event 1: Call Connected

Coding:

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 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: the initial phone number (~~"+012340123456"~~)~~

Address
- TON: International
- N~~I~~PI: "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									

TERMINAL RESPONSE: SET UP CALL 2.1.1

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: 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

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	01	80

27.22.7.3.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -CALL DISCONNECTED)

Step	Direction	Message / Action	Behaviour
1	SIM → ME	PROACTIVE COMMAND PENDING	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	[EVENT: Call Disconnected active]
4	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	
5	SS → ME	SETUP	[incoming call] Ti=0
6	USER → ME	Accept Call Set Up	
7	SS → ME	DISCONNECT	[MT DISCONNECT]
8	ME→ SIM	ENVELOPE: CALL DISCONNECTED 1.1.1	
9	SS → ME	SETUP	[incoming call] Ti=0
10	USER → ME	Accept Call Set Up	
11	SS → ME	RELEASE	[MT RELEASE]
12	ME→ SIM	ENVELOPE: CALL DISCONNECTED 1.1.1	
13	SS → ME	SETUP	[incoming call] Ti=0
14	USER → ME	Accept Call Set Up	
15	SS → ME	RELEASE COMPLETE	[MT RELEASE COMPLETE]
16	ME→ SIM	ENVELOPE: CALL DISCONNECTED 1.1.1	
17	SS → ME	SETUP	[incoming call] Ti=0
18	USER → ME	Accept Call Set Up	
19	USER → ME	End Call	
20	ME → SS	DISCONNECT	[MO DISCONNECT]
21	ME → SIM	ENVELOPE: CALL DISCONNECTED 1.1.2	
~~22~~-	~~SS → ME~~-	~~DISCONNECT ACK~~- ???	
22~~3~~	SS → ME	SETUP	[incoming call] Ti=0
23~~4~~	USER → ME	Accept Call Set Up	
24~~5~~	SS → ME	DISCONNECT	[MT DISCONNECT + CAUSE: normal call clearing]
25~~6~~	ME→ SIM	ENVELOPE: CALL DISCONNECTED 1.1.3	
26~~7~~	SS → ME	SETUP	Ti=0
27~~8~~	USER → ME	Accept Call Set Up	
28~~9~~	SS	TX POWER to XX	[RADIO LINK FAILURE]
2930	ME→ SIM	ENVELOPE: CALL DISCONNECTED 1.1.4A or 1.1.~~1B~~4B	

~~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~~	~~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~~2~~3	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	~~0E~~0C	19	01	01	82	02	~~82~~83	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:

BER-TLV:	D6	~~0E~~0C	19	01	01	82	02	~~82~~83	81	1C	01	00
	9A	00										

3GPP TSG-T3 Meeting #28
Marseille, France, 19-22 August 2003

Tdoc ⌘T3-030680

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A051** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Corrections in the REFRESH test sequences (with inclusion of T3-030535's contents)
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	21/08/03
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	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:	⌘	Above listed errors corrected.
Consequences if not approved:	⌘	MEs will fail incorrect tests

Clauses affected:	⌘	27.22.4.7

Other specs affected:	⌘	Y	N		⌘
				Other core specifications	
				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 ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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:

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 → ME	PROACTIVE COMMAND PENDING: REFRESH 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: REFRESH 1.1.1	
4	SIM	Invalidate EF IMSI, EF LOCI and EF ADN	[Restricted dialling feature is enabled]
5	ME → SIM	SIM Initialization	[ME performs SIM initialization]
6	ME → SIM	TERMINAL RESPONSE: REFRESH 1.1.1A Or TERMINAL RESPONSE: REFRESH 1.1.1B	[additional EFs read]
7	SIM → ME	PROACTIVE SIM SESSION ENDED	
8	USER → ME	Call setup to "321"	
9	ME → USER	Call set up not allowed	
10	USER → ME	Call setup to "123"	
11	ME → SS	Setup	Called party BCD number shall be "123"

PROACTIVE COMMAND: REFRESH 1.1.1

Logically:

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	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~~82	81~~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	01	01	03	82	02	82~~81~~	81~~82~~	83	01	03

Expected Sequence 1.2 (REFRESH, File Change Notification)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: REFRESH 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	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	ME → SIM	READ RECORD: EF FDN	
7	ME → SIM	TERMINAL RESPONSE: REFRESH 1.2.1A Or TERMINAL RESPONSE: REFRESH 1.2.1B	[normal ending] [additional EFs read]
8	SIM → ME	PROACTIVE SIM SESSION ENDED	
9	USER → ME	Call setup to "123"	
10	ME → USER	Call set up not allowed	
11	USER → ME	Call setup to "0123456789"	
12	ME → SS	Setup	Called party BCD number shall be "0123456789"

PROACTIVE COMMAND: REFRESH 1.2.1

Logically:

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:

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

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: REFRESH 1.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	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	ME → SIM	READ BINARY: EF PLMN	
6	ME → SIM	TERMINAL RESPONSE: REFRESH 1.3.1A Or TERMINAL RESPONSE: REFRESH 1.3.1B	[normal ending] [additional EFs read]
7	SIM → ME	PROACTIVE SIM SESSION ENDED	

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:

BER-TLV:	81	03	01	01	02	82	02	~~81~~82	~~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:

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

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: REFRESH 1.4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: REFRESH 1.4.1	
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	ME → SIM	SIM Initialization	[ME performs SIM initialization]
7	ME → SIM	TERMINAL RESPONSE: REFRESH 1.4.1A Or TERMINAL RESPONSE: REFRESH 1.4.1B	[additional EFs read]
8	SIM → ME	PROACTIVE SIM SESSION ENDED	
9	USER → ME	Call setup to "321"	
10	ME → USER	Call set up not allowed	
11	USER → ME	Call setup to "0123456789"	
12	ME → 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 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	~~02~~00	82	02	~~81~~82	~~82~~81	83	01	00

TERMINAL RESPONSE: REFRESH 1.4.1B

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	01	01	00	82	02	82	81	83	01	03

Expected Sequence 1.5 (REFRESH, SIM Reset)

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

PROACTIVE COMMAND: REFRESH 1.5.1

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	

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

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

SMS-PP (Data Download) Message 1.6.1

Logically:

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	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 → ME	PROACTIVE COMMAND PENDING: REFRESH 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: REFRESH 2.1.1	
4	SIM	Update EF IMSI, EF LOCI and EF KC	[Update the contents of EF IMSI to "001010123456788", EF LOCI to not updated and EF KC to not valid]
5	ME	Invoke MM Restart Procedure	
6	ME → SIM	SIM INITIALIZATION	[ME performs SIM initialization; including reading EF IMSI, EF LOCI and EF KC]
7	ME → SIM	TERMINAL RESPONSE: REFRESH 2.1.1A Or TERMINAL RESPONSE: REFRESH 2.1.1B	[normal] [additional EFs read]
8	SIM → ME	PROACTIVE SIM SESSION ENDED	
9	ME → SS	Location updating request (type "normal location updating")	[Send IMSI of "001010123456788" to System 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

Coding:

BER-TLV:	D0	~~20~~ 1E	81	03	01	01	02	82	02	81	82	92
	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:

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:

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

TERMINAL RESPONSE: REFRESH 2.1.1B

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:

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

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: REFRESH 2.2.1	
2	ME → SIM	FETCH	
3	SIM → 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	ME → SIM	SIM INITIALIZATION	[ME performs SIM initialization; including reading EF IMSI, EF LOCI and EF KC]
7	ME → SIM	TERMINAL RESPONSE: REFRESH 2.2.1A Or TERMINAL RESPONSE: REFRESH 2.2.1B	[normal] [additional EFs read]
8	SIM → ME	PROACTIVE SIM SESSION ENDED	
9	ME → SS	IMSI ATTA~~T~~CH	[Send IMSI of "001010123456787" to System Simulator]

PROACTIVE COMMAND: REFRESH 2.2.1

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
- 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:

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

TERMINAL RESPONSE: REFRESH 2.2.1B

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:

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

Expected Sequence 2.3 (REFRESH, SIM Reset)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: REFRESH 2.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: REFRESH 2.3.1	
4	SIM	Update EF IMSI	[Update the contents of EF IMSI to "001010123456786
5	ME → SIM	GSM Termination Procedure	
6	ME → SIM	GSM Activation Procedure	[At same voltage]
7	ME → SIM	SIM Initialization	[ME performs SIM initialization; including reading EF IMSI, EF LOCI and EF KC]
8	ME → SS	IMSI ATTA~~T~~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

27.22.4.7.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences ~~1, 2 and 3~~2.1 to 2.3.

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

Tdoc ⌘T3-030681

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A052** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to test requirement references
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	21/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘
- 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 http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 sequence~~s~~ 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 2.1to~~and~~ 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.

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

Tdoc ⌘T3-030682

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A050** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to location status, user activity and idle screen available event download test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	21/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

- Some references in Expected Sequence 1.1(EVENT DOWNLOAD - LOCATION STATUS) and Expected Sequence 1.1 (EVENT DOWNLOAD -USER ACTIVITY) are incorrect
- Incorrect length in PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 indicated
- Command qualifier in TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 is incorrect
- Source device identity coding is incorrect in:
  - EVENT DOWNLOAD -USER ACTIVITY 1.1.1
  - EVENT DOWNLOAD - IDLE SCREEN AVAILABLE 1.1.1
- Initial conditions in 27.22.7.5.1.4.1 needs to be adjusted, because the elementary files are coded as Toolkit default.
- There's no behaviour column in the procedure tables in TS 11.10-4, therefore expected sequence 1.1 has to be adjusted accordingly

Summary of change: ⌘ Above listed errors corrected.

Consequences if not approved: ⌘ MEs will fail incorrect tests.

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

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

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.7.4.4.2 Procedure

Expected Sequence 1.1(EVENT DOWNLOAD -LOCATION STATUS)

Step	Direction	Message / Action	~~Behaviour~~Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	
4	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	
5	SS	Cell 2 is switched on and cell 1 is switched off	~~Cell 2 is switched on and cell 1 is switched off~~
6	ME	ME performs cell reselection to cell 2	~~ME performs cell reselection to cell 2~~
7	ME → SS	Location Updating Request	
8	SS → ME	Location updating accept	
9	ME → SIM	ENVELOPE: EVENT DOWNLOAD - Location Status 1.1.1	[NOTE: The inclusion of the location 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										

[..]

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 → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	[set up event list: event User Activity]
2	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[command performed successfully]
3	USER → ME	press any key	
4	ME → SIM	ENVELOPE EVENT DOWNLOAD -USER ACTIVITY 1.1.1	
95	USER → ME	press any key	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: RFU

Device identities
- Source device: SIM
- Destination device: ME

Event list: User Activity

Coding:

BER-TLV:	D0	150C	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: RFU

Device identities
- Source device: ME
- Destination device: SIM

Result
- General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	05	8000	82	02	82	81	83	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	~~83~~82	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 → ME	Select screen other than the ME idle screen	
2	SIM → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	[set up event list: idle screen available]
3	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[command performed successfully]
4	USER → ME	Select ME idle screen	
5	ME → SIM	ENVELOPE: IDLE SCREEN AVAILABLE 1.1.1	
6	USER → 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 Activity~~Idle screen available
Device identities
Source device: ME
Destination device: SIM

Coding:

BER-TLV:	D6	07	19	01	05	82	02	~~83~~82	81

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

Tdoc ⌘T3-030683

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A042** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Close Channel test cases		
Source:	⌘	T3		
Work item code:	⌘	TEI	***Date:*** ⌘	21/08/2003
Category:	⌘	**F**	***Release:*** ⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

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

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3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
~~1~~7	SIM → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.1.1	
~~2~~8	ME → SIM	FETCH	
~~3~~9	SIM → ME	PROACTIVE COMMAND: CLOSE CHANNEL 1.1.1	
10	ME → SS	DISCONNECT	[MO DISCONNECT]
~~4~~11	ME → SIM	TERMINAL RESPONSE CLOSE CHANNEL 1.1.1	[Command performed successfully]

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:	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

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

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										

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:

BER-TLV:	81	03	01	41	00	82	02	~~21~~82	81	83	01	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 → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
~~1~~7	SIM → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.2.1	
8~~2~~	ME → SIM	FETCH	
~~3~~9	SIM → ME	PROACTIVE COMMAND: CLOSE CHANNEL 1.2.1	
10~~4~~	ME → SIM	TERMINAL RESPONSE CLOSE CHANNEL 1.2.1	[Invalid~~e~~ channel number]

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~~ME
- 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~~82	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
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
~~1~~7	SIM → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.1.1	
8~~2~~	ME → SIM	FETCH	
~~3~~9	SIM → ME	PROACTIVE COMMAND: CLOSE CHANNEL 1.1.1	
10	ME → SS	DISCONNECT	[MO DISCONNECT]
11~~4~~	ME → SIM	TERMINAL RESPONSE CLOSE CHANNEL 1.1.1	[Command performed successfully]
12~~5~~	SIM → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.3.1	
13~~6~~	ME → SIM	FETCH	
14~~7~~	SIM → ME	PROACTIVE COMMAND: CLOSE CHANNEL 1.3.1	
15~~8~~	ME → SIM	TERMINAL RESPONSE CLOSE CHANNEL 1.3.1	[Channel closed]

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

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: Bearer Independent Protocol error
- Additional Result: 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

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A043** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Launch Browser test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	21/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
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Use one of the following releases:
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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: ⌘[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 1.1.1
  - 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
  - PROACTIVE COMMAND : 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 A
  - TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 B
  - TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 C
  - PROACTIVE COMMAND : LAUNCH BROWSER 2.3.1
  - TERMINAL RESPONSE : 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: o PROACTIVE COMMAND : LAUNCH BROWSER 1.3.1 o PROACTIVE COMMAND : LAUNCH BROWSER 1.4.1 o 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: o TERMINAL RESPONSE : LAUNCH BROWSER 4.1.1 B o 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: o 27.22.4.26.1 o 27.22.4.26.2 o 27.22.4.26.3 o 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:	⌘				

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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.

27.22.4.26.1 LAUNCH BROWSER (No session already launched)

[..]

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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 1.1.1	[connect to the default URL, "launch browser, if not already launched", no null alpha id.]
4	ME → USER	ME displays the alpha identifier	
5	USER → ME	The user may have to confirm the launch browser.	[option : user confirmation]
6	ME → SIM	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 → ME	PROACTIVE SIM SESSION ENDED	
9	USER → ME	The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode.	

PROACTIVE COMMAND : LAUNCH BROWSER 1.1.1

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: empty

Alpha identifier: "Default URL"

Coding:

BER-TLV:	D0	18	81	03	01	15	00	82	02	81	82	31
	00	05	0B	44	65	66	61	~~76~~7	6C	74	20	55
								5				
	52	4C										

TERMINAL RESPONSE : LAUNCH BROWSER 1.1.1

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

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	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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 1.2.1	[connect to defined URL, “launch browser, if not already launched, alpha identifier length=0]
4	ME → USER	No information should be displayed.	
5	USER → ME	The user may have to confirm the launch browser.	[option : user confirmation]
6	ME → SIM	TERMINAL RESPONSE : LAUNCH BROWSER 1.2.1	[Command performed successfully]
7	ME->SS	The ME attempts to connect the URL specified in the LAUNCH BROWSER command.	
8	SIM → ME	PROACTIVE SIM SESSION ENDED	

9	USER → ME	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:

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: http://xxx.yyy.zzz (note: this URL shall be different from the default URL, but it can be reached from the gateway defined by default in the Wap parameters of the mobile)

Alpha identifier: empty

Coding:

BER-TLV:	D0	1F	81	03	01	15	00	82	02	81	82	31
	12	68	74	74	70	3A	2F	2F	78	78	78	2E
	79	79	79	2E	7A	7A	7A	05	00			

TERMINAL RESPONSE : LAUNCH BROWSER 1.2.1

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

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	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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 1.3.1	[connect to the default URL, "launch browser, if not already launched, browser identity]
4	ME → USER	ME may display a default message of its own.	
5	USER → ME	The user may confirm the launch browser.	[option : user confirmation]
6	ME → SIM	TERMINAL RESPONSE : LAUNCH BROWSER 1.3.1	[Command performed successfully]
7	ME->SS	The ME attempts to connect the default URL.	
8	SIM → ME	PROACTIVE SIM SESSION ENDED	
9	USER → ME	The user verifies that the default 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
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

Device identities
- Source device: SIM
- Destination device: ME

Browser Identity: default

URL: ~~0~~empty

Coding:

BER-TLV:	D0	~~1F~~0E	81	03	01	15	00	82	02	81	82	30
	01	00	31	00								

TERMINAL RESPONSE : LAUNCH BROWSER 1.3.1

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

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 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	SIM → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 1.4.1	[connect to the default URL, "launch browser, if not already launched, 1 bearer specified, gateway/proxy id specified]
4	ME → USER	ME may display a default message	
5	USER → ME	The user may confirm the launch browser.	[option : user confirmation]
6	ME → SIM	TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 A Or TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 B Or TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 C	[Command performed successfully] [Launch browser generic error code – bearer not available] [Command performed with partial comprehension]
7	ME->SS	The ME attempts to connect the default URL using the requested bearer and proxy identity	
8	SIM → ME	PROACTIVE SIM SESSION ENDED	
9	USER → ME	If performed successfully: 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~~empty
- Bearer: GPRS
- Gateway/Proxy id
  - DCS: unpacked, 8 bits data
  - Text string: abc.def.ghi (different from the default IP address)

Coding:

BER-TLV:	D0	1C	81	03	01	15	00	82	02	81	82	31
	00	32	01	03	0D	~~0C~~ 0C	04	61	62	63	2E	64
	65	66	2E	67	68	69						

TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 A

Logically:

- Command details
  - Command number: 1
  - Command type: LAUNCH BROWSER
  - Command qualifier: launch browser, if not already ~~used~~launched
- 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	01	00

TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 B

Logically:

- Command details
  - Command number: 1
  - Command type: LAUNCH BROWSER
  - Command qualifier: launch browser, if not already ~~used~~launched
- Device identities
  - Source device: ME
  - Destination device: SIM
- Result
  - General Result: Launch browser generic error code
  - Additional information: Bearer not available

Coding:

BER-TLV:	81	03	01	15	00	82	02	82	81	83	02	26
	01											

TERMINAL RESPONSE : LAUNCH BROWSER 1.4.1 C

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

Device identities
- Source device: ME
- Destination device: SIM

Result
- General Result: Command performed successfully, with partial comprehension

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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.5.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 1.5.1	[connect to the default URL, "launch browser, if not already launched, several bearers, gateway/proxy id specified]
4	ME → USER	ME may display a default message	
5	USER → ME	The user may confirm the launch browser.	[option : user confirmation]
6	ME → SIM	TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 A Or TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 B Or TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 C	[Command performed successfully] [Launch browser generic error code – bearer not available] [Command performed with partial comprehension]
7	ME->SS	The ME attempts to connect the default URL.	
8	SIM → ME	PROACTIVE SIM SESSION ENDED	
9	USER → ME	If performed successfully: 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

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~~emtpy

Bearer: GPRS, USSD, SMS

Gateway/Proxy id
- DCS: 7 bits default alphabet
- Text string: abc.def.ghi (different from the default IP address)

Coding:

BER-TLV:	D0	1D	81	03	01	15	00	82	02	81	82	31
	00	32	03	03	02	00	0D	~~0C~~0B	00	61	F1	D8
	45	2E	9B	5D	67	74	1A					

TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 A

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

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	01	00

TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 B

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

Device identities
- Source device: ME
- Destination device: SIM

Result
- General Result: Launch browser generic error code
- Additional information: Bearer not available

Coding:

BER-TLV:	81	03	01	15	00	82	02	82	81	83	02	26 01

TERMINAL RESPONSE : LAUNCH BROWSER 1.5.1 C

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

Device identities
- Source device: ME
- Destination device: SIM

Result
- General Result: Command performed successfully, with partial comprehension

Coding:

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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 2.1.1	[connect to the default URL, “use the existing browser”, no null alpha id.]
4	ME → USER	ME displays the alpha identifier	
5	USER → ME	The user confirms the launch browser.	[user confirmation]
6	ME → SIM	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 → 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.	

PROACTIVE COMMAND : 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: SIM
- Destination device: ME

URL: empty

Alpha identifier: "Default URL"

Coding:

BER-TLV:	D0	18	81	03	01	15	02	82	02	81	82	31
	00	05	0B	44	65	66	61	~~76~~7 5	6C	74	20	55
	52	4C										

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: ME
- Destination device: SIM

Result
- General Result: Command performed successfully

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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	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	ME → USER	ME displays the alpha identifier	
5	USER → ME	The user confirms the launch browser.	[user confirmation]
6	ME → SIM	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 → 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.	

PROACTIVE COMMAND : LAUNCH BROWSER 2.2.1

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: close the existing browser session and launch new browser session

Device identities
- Source device: SIM
- Destination device: ME

URL: empty

Alpha identifier: "Default URL"

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
								5				
	52	4C										

TERMINAL RESPONSE : LAUNCH BROWSER 2.2.1

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: close the existing browser session and launch new browser session

Device identities
- Source device: ME
- Destination device: SIM

Result
- General Result: Command performed successfully

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 session (not default URL)..	[Browser is in use, the current session is not secured]
1	SIM → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 2.3.1	[connect to the default URL, “launch browser, if not already launched]
8	ME → SIM	TERMINAL RESPONSE : LAUNCH BROWSER 2.3.1	[ME unable to process command – browser unavailable]
9	SIM → ME	PROACTIVE SIM SESSION ENDED	

10	USER → ME	The user verifies that the default 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:

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: empty

Coding:

BER-TLV:	D0	~~0C~~0B	81	03	01	15	00	82	02	81	82	31
	00											

TERMINAL RESPONSE : LAUNCH BROWSER 2.3.1

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: launch browser, if not already ~~used~~launched

Device identities
- Source device: ME
- Destination device: SIM

Result
- General Result: ~~ME unable to process command~~Launch browser generic error code
- Additional data: Browser unavailable

Coding:

BER-TLV:	81	03	01	15	00	82	02	82	81	83	02	26
	02											

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 session (not default URL)..	[Browser is in use, the current session is not secured]]
1	SIM → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 3.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 3.1.1	[connect to the default URL, "use the existing browser", alpha id. In UCS2]
4	ME → USER	ME displays the alpha identifier "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	USER → ME	The user confirms the launch browser.	[user confirmation]
6	ME → 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 → 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)

[..]

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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 4.1.1	[Browser is in use, the current session is not secured]]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 4.1.1	[connect to the default URL, "use the existing browser", no null alpha id.]
4	ME → USER	ME displays the alpha identifier and the icon	["Not self explan."]
5	USER → ME	The user confirms the launch browser.	[user confirmation]

6	ME → SIM	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 → 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.	

[..]

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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 4.1.1	[Browser is in use, the current session is not secured]]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 4.1.1	[connect to the default URL, “use the existing browser”, no null alpha id.]
4	ME → USER	ME displays the alpha identifier Without the icon	[“Not self explan.”]
5	USER → ME	The user confirms the launch browser.	[user confirmation]
6	ME → SIM	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 → 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:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: use the existing browser

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 15 02 82 02 82 81 83 01 ~~06~~0 4

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

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 4.2.1	[Browser is in use, the current session is not secured]]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 4.2.1	[connect to the default URL, “use the existing browser”, alpha id. In UCS2]
4	ME → USER	ME displays only the icon	[“Self explan.”]
5	USER → ME	The user confirms the launch browser.	[user confirmation]
6	ME → SIM	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 → 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.	

[..]

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 → ME	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 4.2.1	[Browser is in use, the current session is not secured]]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : LAUNCH BROWSER 4.2.1	[connect to the default URL, “use the existing browser”, alpha id. In UCS2]
4	ME → USER	ME displays only the alpha identifier	[“Self explan.”]

5	USER → ME	The user confirms the launch browser.	[user confirmation]
6	ME → 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 → 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 4.2.1 B

Logically:

Command details
- Command number: 1
- Command type: LAUNCH BROWSER
- Command qualifier: use the existing browser

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 15 02 82 02 82 81 83 01 ~~06~~0 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

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

Tdoc ⌘T3-030685

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A044** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title: ⌘	Essential corrections to Open Channel test cases	
Source: ⌘	T3	
Work item code: ⌘	TEI	***Date:*** ⌘ 21/08/2003
Category: ⌘	**F**	***Release:*** ⌘ R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- The 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.
Consequences if not approved:	⌘	MEs will fail incorrect tests.

Clauses affected:	⌘	27.22.4.27, 27.22.4.27.4.1, 27.22.4.27.4.2			
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 http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.27 OPEN CHANNEL

[..]

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 → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]

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~~NPI: 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:	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

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

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 → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.2.1	
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.2.1	[Command performed successfully]

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~~I~~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~~0C	00	01	B9	02	00	2A				

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.34~~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~~0C	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 → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.3.1	
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.3.1	[Command performed successfully]

PROACTIVE COMMAND: OPEN CHANNEL 1.3.1

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: 9600bps V.~~34~~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	~~07~~27	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.~~32~~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~~27	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 → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.4.1	
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.4.1	[Command performed successfully]

PROACTIVE COMMAND: OPEN CHANNEL 1.4.1

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: 9600bps V.110 or X.31 flag stuffing
- 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	~~71~~47	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	~~71~~47	00	01	B9	02
	00	2A										

[..]

Expected Sequence 1.9~~5~~ (OPEN CHANNEL, immediate link establishment, CSD, No channel available)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.9.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.9.1	
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.9.1	[Command performed successfully]
7	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.9.2	
8	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.9.2	[Bearer independent protocol error]

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~~33	00	01	B9	02	00	2A				

TERMINAL RESPONSE: OPEN CHANNEL 1.9.1

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: 56000bps V.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	~~78~~33	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:

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~~33	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

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	02	3A
	01											

Expected Sequence 1.10 (OPEN CHANNEL, ME is busy on another call related to CSD)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP CALL 1.10.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP CALL 1.10.1	
4	ME → USER	ME displays "Not busy" and prompts the user to set up a call to "+012340123456p1p2"	
5	USER → ME	The user confirms the call set up	[user confirmation]
6	ME→SS	The ME attempts to set up a call to "+012340123456p1p2"	
7	SS → ME	The ME receives the CONNECT message from the system simulator.	
8	ME → SIM	TERMINAL RESPONSE: SET UP CALL 1.10.1	[Command performed successfully]
9	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
10	ME → SIM	FETCH	
11	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	
12	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.10.1	[ME currently unable to process command]

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

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

Coding:

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

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A046** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Send Data test cases		
Source:	⌘	T3		
Work item code:	⌘	TEI	***Date:*** ⌘	20/08/2003
Category:	⌘	**F**	***Release:*** ⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- The 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 1.3.4
  - TERMINAL RESPONSE: SEND DATA 1.3.5
  - TERMINAL RESPONSE: SEND DATA 1.5.1
  - TERMINAL RESPONSE: SEND DATA 1.6.1
- 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

	o PROACTIVE COMMAND: SEND DATA 1.2.2 o PROACTIVE COMMAND: SEND DATA 1.3.1 o PROACTIVE COMMAND: SEND DATA 1.3.2 o PROACTIVE COMMAND: SEND DATA 1.3.3 o PROACTIVE COMMAND: SEND DATA 1.3.4 o 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: o 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. o This sequence doesn't refelect the required action from the user. • 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 • 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.
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. • 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:	⌘	Y / N	Other core specifications	⌘
		N	Test specifications	
		N	O&M Specifications	
Other comments:	⌘			

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.30 SEND DATA

[..]

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 → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32, 1KB buffer]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
7~~1~~	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.1.1	
~~2~~8	ME → SIM	FETCH	
9~~3~~	SIM → ME	PROACTIVE COMMAND: SEND DATA (immediate) 1.1.1	
~~4~~10	ME → SIM	TERMINAL RESPONSE: SEND DATA (immediate) 1.1.1	[Command performed successfully]

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:	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	03	E8				

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

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
	03	E8										

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

Coding:

BER-TLV:	D0	~~12~~13	81	03	01	43	01	82	02	81	21	B6
	08	xx	xx	xx	xx	xx~~.~~	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~~ME
- Destination device: SIM

Result
- General Result: Command performed successfully
- ~~Channel data length: 8 Bytes~~

Coding:

BER-TLV:	81	03	01	43	01	82	02	82~~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
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32, 1KB buffer]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
~~1~~7	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.2.1	
~~2~~8	ME → SIM	FETCH	
~~3~~9	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.2.1	Send 500 Bytes of data (200 + 200 + 100)
~~4~~10	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.2.1	[Command performed successfully]
~~5~~11	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.2.2	
~~6~~12	ME → SIM	FETCH	
~~7~~13	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.2.2	
~~8~~14	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.2.2	[Command performed successfully]
~~9~~15	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.2.3	
~~10~~16	ME → SIM	FETCH	
~~11~~17	SIM → ME	PROACTIVE COMMAND: SEND DATA (Immediate mode) 1.2.3	
~~12~~18	ME → SIM	TERMINAL RESPONSE: SEND DATA (Immediate mode) 1.2.3	[Command performed successfully]

PROACTIVE COMMAND: SEND DATA 1.2.1

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	81 ~~D3~~	D4~~81~~	~~03~~81	~~01~~03	~~43~~01	~~00~~43	~~82~~00	~~02~~82	~~81~~02	~~21~~81	~~B6~~21
	B6~~C~~ ~~8~~	~~Xx~~8 1	C8~~xx~~	xx	xx	..						

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~~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	00	82	02	~~21~~82	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

Coding:

BER-TLV:	D0	81 ~~D3~~	D4~~81~~	81~~03~~	03~~01~~	01~~43~~	43~~00~~	00~~82~~	82~~02~~	02~~81~~	81~~21~~	21~~B6~~
	B6~~C~~ ~~8~~	81~~xx~~	C8~~xx~~	xx	xx	..						

TERMINAL RESPONSE: SEND DATA 1.2.2

Logically:

Command details
Command number: 1
Command type: SEND DATA
Command qualifier: Store 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	00	82	02	~~21~~82	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~~82	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).~~

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32, 1KB buffer]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
~~1~~7	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.1	
~~2~~8	ME → SIM	FETCH	
~~3~~9	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1	Send 1kByte of data by packet of 200 Bytes
~~4~~10	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1	[Command performed successfully]
~~5~~11	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.2	
~~6~~12	ME → SIM	FETCH	
~~7~~13	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2	[200 Bytes]
~~8~~14	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.2	[Command performed successfully]
~~9~~15	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.3	
~~10~~16	ME → SIM	FETCH	
~~11~~17	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3	[200 Bytes]
~~12~~18	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.3	[Command performed successfully]
~~13~~19	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.4	
~~14~~20	ME → SIM	FETCH	
~~15~~21	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4	[200 Bytes]
~~16~~22	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.4	[Command performed successfully]
~~17~~23	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.5	
~~18~~24	ME → SIM	FETCH	
~~19~~25	SIM → ME	PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5	[200 Bytes]
~~20~~26	ME → SIM	TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5	[Command performed successfully]

PROACTIVE COMMAND: SEND DATA 1.3.1

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	81 ~~D3~~	D4~~81~~	81~~03~~	03~~01~~	01~~43~~	43~~00~~	00~~82~~	82~~02~~	02~~81~~	81~~21~~	21~~B6~~
	B6~~C~~ ~~8~~	81~~xx~~	C8~~xx~~	xx	xx	..						

TERMINAL RESPONSE: SEND DATA 1.3.1

Logically:

Command details
- Command number: 1
- Command type: SEND DATA
- Command qualifier: Store 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	00	82	02	~~21~~82	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	81 ~~D3~~	D4~~81~~	81~~03~~	03~~01~~	01~~43~~	43~~00~~	00~~82~~	82~~02~~	02~~81~~	81~~21~~	21~~B6~~
	B6~~C~~ ~~8~~	81~~xx~~	C8~~xx~~	xx	xx	..						

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~~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	00	82	02	821	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

Coding:

BER-TLV:	D0	81 D3	D481	8103	0301	0143	4300	0082	8202	0281	8121	21B6
	B6C 8	81xx	C8xx	xx	xx	..						

TERMINAL RESPONSE: SEND DATA 1.3.3

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: More than 255 bytes of space available in the Tx buffer

Coding:

BER-TLV:	81	03	01	43	00	82	02	2182	81	83	01	00
	B7	01	FF									

PROACTIVE COMMAND: SEND DATA 1.3.4

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	81 ~~D3~~	D4~~81~~	81~~03~~	03~~01~~	01~~43~~	43~~00~~	00~~82~~	82~~02~~	02~~81~~	81~~21~~	21~~B6~~
	B6~~C~~ ~~8~~	81~~xx~~	C8~~xx~~	xx	xx	..						

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 1~~ME
- 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	82~~1~~	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	81 ~~D3~~	D4~~81~~	81~~03~~	03~~01~~	01~~43~~	43~~01~~	01~~82~~	82~~02~~	02~~81~~	81~~21~~	21~~B6~~
	B6~~C~~ ~~8~~	81~~xx~~	C8~~xx~~	xx	xx	..						

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~~ME
- Destination device: SIM

Result
- General Result: Command performed successfully

Channel data length: No space available in the Tx buffer

Coding:

BER-TLV:	81	03	01	43	01	82	02	~~21~~82	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	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32, 1KB buffer]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
~~1~~7	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.1	
~~2~~8	ME → SIM	FETCH	
~~3~~9	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1	Send 1kByte of data by packet of 200 Bytes
~~4~~10	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1	[Command performed successfully]
11	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.2	
12	ME → SIM	FETCH	
13	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2	[200 Bytes]
14	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.2	[Command performed successfully]
15	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.3	
16	ME → SIM	FETCH	
17	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3	[200 Bytes]
18	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.3	[Command performed successfully]
19	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.4	
20	ME → SIM	FETCH	
21	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4	[200 Bytes]
22	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.4	[Command performed successfully]
23~~...~~	SIM → ME~~...~~	PROACTIVE COMMAND PENDING: SEND DATA 1.3.5~~...~~	…
~~19~~24	SIM → ME	PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5	
25~~20~~	ME → SIM	TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5	[Command performed successfully]
~~21~~26	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.1	
~~22~~27	ME → SIM	FETCH	
~~23~~28	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1	Send 1kByte of data by packet of 200 Bytes
~~24~~29	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1	[Command performed successfully]
~~...~~30	SIM → ME~~...~~	PROACTIVE COMMAND PENDING: SEND DATA 1.3.2~~...~~	~~...~~
31	ME → SIM	FETCH	
32	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2	[200 Bytes]
33	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.2	[Command performed successfully]
34	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.3	
35	ME → SIM	FETCH	
36	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3	[200 Bytes]
37	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.3	[Command performed successfully]
38	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.4	

39	ME → SIM	FETCH	
40	SIM → ME	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4	[200 Bytes]
41	ME → SIM	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.4	[Command performed successfully]
42	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.3.5	…
3943	SIM → ME	PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5	
440	ME → SIM	TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5	[Command performed successfully]

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
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32, 1KB buffer]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
71	SIM → ME	PROACTIVE COMMAND PENDING: SEND DATA 1.5.1	
82	ME → SIM	FETCH	
93	SIM → ME	PROACTIVE COMMAND: SEND DATA (immediate) 1.5.1	
104	ME → SIM	TERMINAL RESPONSE: SEND DATA (immediate) 1.1.1	[Invalide channel number]

PROACTIVE COMMAND: SEND DATA 1.5.1

Logically:

Command details
- Command number: 1
- Command type: SEND DATA
- Command qualifier: Send Immediately

Device identities
- Source device: SIM
- Destination device: Channel ~~1~~ 2

Channel Data
- Channel Data : 8 Bytes of data

Coding:

BER-TLV:	D0	~~12~~13	81	03	01	43	01	82	02	81	22	B6
	08	xx	xx	xx	xx	xx~~.~~	xx	xx	xx			

TERMINAL RESPONSE: SEND DATA 1.5.1

Logically:

Command details
- Command number: 1
- Command type: SEND DATA
- Command qualifier: Send Immediately

Device identities

Source device: ~~Channel 1~~ME
Destination device: SIM
Result
General Result: Bearer Independent Protocol error (3A)
Additional Result: Channel identifier not valid (03)

Coding:

BER-TLV:	81	03	01	43	01	82	02	~~21~~82	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
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32, 1KB buffer]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
~~1~~7	SIM → ME	PROACTIVE COMMAND PENDING; SEND DATA 1.6.1	
~~2~~8	ME → SIM	FETCH	
~~3~~9	SIM → ME	PROACTIVE COMMAND: SEND DATA (immediate) 1.6.1	
10	ME → USER	ME displays “Send data”	
11	USER → ME	Abort proactive session	
~~4~~12	ME → SIM	TERMINAL RESPONSE: SEND DATA (immediate) 1.1.1	[Proactive SIM session terminated by the 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

Coding:

BER-TLV:	D0	~~12~~1E	81	03	01	43	01	82	02	81	~~22~~21	85~~B6~~
	09~~08~~	53~~xx~~	~~Xx~~65	~~Xx~~6E	~~Xx~~64	20~~..~~	64	61	74	61	B6	08
	xx	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 1~~ME
- Destination device: SIM

Result
- General Result: Proactive SIM session terminated by the user

Coding:

BER-TLV:	81	03	01	43	01	82	02	~~21~~82	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

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A017** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to default values for SIM Application Toolkit testing		
Source:	⌘	T3		
Work item code:	⌘	TEI	***Date:*** ⌘	22/08/2003
Category:	⌘	**F**	***Release:*** ⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

- 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.48: The wrong bits in byte 12 are set. Shall be bits b7 and b8.
- 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.

- 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

		Y	N		
Other specs	⌘		**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 http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 [~~13~~12].

NOTE 1: Bx represents byte x of the coding.

NOTE 2: Unless otherwise defined, the coding values in binary.

EFSST (SIM Service Table)

Logically:

(Service 2)	Abbreviated Dialling Numbers allocated and activated
~~(Service 10)~~	~~Extension 1 allocated and activated~~
(Service 3)	Fixed Dialling Numbers allocated and activated
(Service 10)	Extension 1 allocated and activated
(Service 11)	Extension 2 allocated and activated
(Service 12)	SMS Parameters allocated and activated
(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 not activated
(Service 29)	Proactive SIM allocated and activated
(Service ~~14~~30)	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	~~Xx~~11111xx	xxxx11~~xx~~xx

	B5	B6	B7	B8
	xxxxxxxx	xxxxxxxx	0~~1~~1111111	110~~1~~11111

	B9	B10	B11	B12
	xxxxxxxx	xx11xx~~1~~01~~xx~~	xxxx1111~~xxxx~~	11xxxxxx~~11~~

EF_{Phase} (SIM Phase Identification)

Logically: Phase 2+

Coding:	'03'

EF_{IMSI} (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)

Logically:

Emergency Call Code 1: '1020'

Coding:			01		02		FF				

Emergency Call Code 2: '112'

Coding:			11		F2		FF				

EF_{SMSP} (Short message service parameters)

Logically:

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: "ISDN / telephone numbering plan"
Dialled number string: "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: 00 0A

Coding:

BER-TLV:	01	08	08	11	4F	04	00	00	00	0A	FF	FF
	FF	FF	FF	FF	FF	FF	FF	FF				

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:	01	2E	28	21	4F	02	00	00	00	1F	FF	FF
	FF	FF	FF	FF	FF	FF	FF	FF				

Record 3:

Logically:

Number of Actual Images Instances: 01
Image 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

Coding:

BER-TLV:	01	18	10	11	4F	03	00	00	00	32	FF	FF
	FF	FF	FF	FF	FF	FF	FF	FF				

Record 4:

Logically:

Number of Actual Images Instances: 01
Image Instance Width: 2E
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: 00 E8

Coding:

BER-TLV:	01	2E	28	11	4F	01	00	00	00	E8	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	05	05	11	4F	05	00	00	00	08	FF	FF
	FF	FF	FF	FF	FF	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	FF	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	FD	80	40	00	00	6B	F6	00	80	00
	01	A0	1F	02	00	00	06	FF	E4	04	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	04	00	00	1B	FF
	88	10	00	00	6F	FE	20	40	00	01	BF	F8
	66	00	00	06	FF	E0	F0	00	00	1B	FF	80
	80	00	00	7F	FE	00	00	00	03	00	0C	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	C4	31	92	20	01
	25	11	45	50	80	07	14	45	15	43	80	12
	71	1C	4D	08	00	4A	24	89	32	20	01	C8
	9E	24	4E	E0								

EF$_{Instance}$ (4F02)

Logically:

Image Instance Data:
- Image width: 08
- Image length: 08
- Bits per raster image point: 02
- Number of CLUT entries: 03
- Location of CLUT: 00 16
- Image body: see below

Coding:

BER-TLV:	08	08	02	03	00	16	AA	AA	80	02	85	42
	81	42	81	42	81	52	80	02	AA	AA	FF	00
	00	00	FF	00	00	00	FF					

EF$_{Instance}$ (4F03)

Logically:

Image Instance Data: see below

Coding:

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:

BER-TLV:	08	08	FF	03	A5	99	99	A5	C3	FF

$EF_{Instance}$ (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).

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: 00 0A

Coding:

BER-TLV:	01	08	08	11	4F	04	00	00	00	0A	FF	FF
	FF	FF	FF	FF	FF	FF	FF	FF				

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:	01	2E	28	21	4F	02	00	00	00	1F	FF	FF
	FF	FF	FF	FF	FF	FF	FF	FF				

Record 3:

Logically:

Number of Actual Images Instances: 01
Image 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

Coding:

BER-TLV:	01	18	10	11	4F	03	00	00	00	32	FF	FF
	FF	FF	FF	FF	FF	FF	FF	FF				

Record 4:

Logically:

Number of Actual Images Instances: 01
Image Instance Width: 2E
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: 00 E8

Coding:

BER-TLV:	01	2E	28	11	4F	01	00	00	00	E8	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	05	05	11	4F	05	00	00	00	08	FF	FF
	FF	FF	FF	FF	FF	FF						

EF$_{Instance}$ (4F01)

Logically:

Image Instance Data: see below

Coding:

BER-TLV:	2E	28	00	00	00	00	00	00	00	00	FF	80
	00	00	00	0F	FF	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	FD	80	40	00	00	6B	F6	00	80	00
	01	A0	1F	02	00	00	06	FF	E4	04	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	04	00	00	1B	FF
	88	10	00	00	6F	FE	20	40	00	01	BF	F8
	66	00	00	06	FF	E0	F0	00	00	1B	FF	80
	80	00	00	7F	FE	00	00	00	03	00	0C	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	C4	31	92	20	01
	25	11	45	50	80	07	14	45	15	43	80	12
	71	1C	4D	08	00	4A	24	89	32	20	01	C8
	9E	24	4E	E0								

EF$_{Instance}$ (4F02)

Logically:

Image Instance Data:
- Image width: 08
- Image length: 08
- Bits per raster image point: 02
- Number of CLUT entries: 03
- Location of CLUT: 00 16
- Image body: see below

Coding:

BER-TLV:	08	08	02	03	00	16	AA	AA	80	02	85	42
	81	42	81	42	81	52	80	02	AA	AA	FF	00
	00	00	FF	00	00	00	FF					

EF$_{Instance}$ (4F03)

Logically:

Image Instance Data: see below

Coding:

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:

BER-TLV:	08	08	FF	03	A5	99	99	A5	C3	FF

EF$_{Instance}$ (4F05)

Logically:

Image Instance Data: see below

Coding:

BER-TLV:	05	05	FE	EB	BF	FF	FF	FF

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.

~~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.

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

Tdoc ⌘T3- 030689

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A019** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	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:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- 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 numbers 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

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

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 http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.9.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: DISPLAY TEXT 1.9.1	Including icon identifier, icon shall be displayed together with the alpha text string, but no text string given
4	ME → SIM	TERMINAL RESPONSE: DISPLAY TEXT 1.9.1	[Command data not understood by ME (clause 6.5.4)]
5	SIM → 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	001	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.~~8~~9.

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 → ME	PROACTIVE COMMAND PENDING: DISPLAY TEXT 3.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: DISPLAY TEXT 3.1.1	[Text string with the maximum of 240 bytes]
4	ME → 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 normal priority text and/"	
5	USER → ME	Clear Message	
6	ME → SIM	TERMINAL RESPONSE: DISPLAY TEXT 3.1.1	[Command performed successfully]
7	SIM → 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/"

Coding:

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	~~64~~65	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	3A	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	00

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.

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

Tdoc ⌘T3- 030708

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A020** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Get Inkey test cases	
Source:	⌘	T3	
Work item code:	⌘	TEI	***Date:*** ⌘ 22/08/2003
Category:	⌘	**F**	***Release:*** ⌘ R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- 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>”
  - 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 6.2.1B
- Terminal Response: GET INKEY 6.3.1A
- 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
  - 27.22.4.2.2.5
  - 27.22.4.2.3.5
  - 27.22.4.2.4.5
  - 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 not approved:	⌘	Incorrect and therefore not executable tests for Get Inkey

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

		Y	N		
Other specs Affected:	⌘		N	Other core specifications	⌘
			N	Test specifications	
			N	O&M Specifications	

Other comments:	⌘	

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 1.1.1	[digits only, no help info available]
4	ME → USER	Display "Enter "+""	Text string coding in unpacked format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 1.1.1	[command performed successfully]

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: "+"

Coding:

BER-TLV:	81	03	01	22	~~80~~00	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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 1.2.1	[digits only, no help info available]
4	ME → USER	Display "Enter "0""	Text string coding in packed format
5	USER → ME	Enter the input "0" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 1.2.1	[command performed successfully]

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"

Coding:

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	00
	8D	02	04	~~00~~30								

Expected Sequence 1.4 (GET INKEY, abort)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INKEY 1.4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 1.4.1	[digits only,~~,~~ no help information available]
4	ME → USER	Display "<ABORT>"	Text string coding in unpacked format
5	USER → ME	Terminate the Proactive SIM session MMI action	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 1.4.1	[Proactive SIM session terminated by the user]

PROACTIVE COMMAND: 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: SIM
- Destination device: ME

Text String
- Data coding scheme: unpacked, 8 bit data
- Text: "<ABORT>"

Coding:

BER-TLV:	D0	13	81	03	01	22	00	82	02	81	82	8D
	08	04	3C	41	~~41~~42	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:

BER-TLV:	81	03	01	22	0~~8~~0	82	02	82	81	83	01	10

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 1.5.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 1.5.1	[characters from SMS default alphabet, no help info available]
4	ME → USER	Display "Enter "q""	Text string coding in unpacked format
5	USER → ME	Enter the input "q" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 1.5.1	[command performed successfully]

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"

Coding:

BER-TLV:	81	03	01	22	01	82	02	82	81	83	01	00
	8D	02	04	71								

Expected Sequence 1.6 (GET INKEY, Max length for the Text String, successful)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INKEY 1.6.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 1.6.1	[digits only, no help info available]
4	ME → USER	Display "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 "	160 characters Text string coding in unpacked format
5	USER → ME	Enter the input "x" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 1.6.1	[command performed successfully]

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:

BER-TLV:	D0	81	ADC	81	03	01	22	01	82	02	81	82
	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	5E6E	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	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	653	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: 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: "x"

Coding:

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 2.1.1	[digits only, no help information available]
4	ME → USER	Display "<TIME-OUT>"	Text string coding in unpacked format
5	USER	Waiting and no completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 2.1.1	[No response from user] within 5 s after the 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
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: "<TIME-OUT>"
~~Response length~~
~~Minimum length: 0~~
~~Maximum length: 10~~

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:

BER-TLV:	81	03	01	22	00	82	02	82	81	83	01	12

27.22.4.2.5 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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 3.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 3.1.1	[Digits only, no help information available]
4	ME → USER	Display " ЗДРАВСТВУЙТЕ "	Text string "Hello" in Russian coding in 16 bits UCS2 alphabet format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 3.1.1	[command performed successfully]

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
- Text: "+"

Coding:

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 3.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 3.2.1	[digits only, no help information available]
4	ME → USER	Display "ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙ"	Text string length 70 characters, coding in 16 bits UCS2 alphabet format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 3.2.1	[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: "ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕЗДРАВСТВУЙ"

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 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: "+"

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.

27.22.4.2.4.2 Procedure

Expected Sequence 4.1 (GET INKEY, characters from UCS2 alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INKEY 4.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 4.1.1	[characters from UCS2 alphabet, no help information available]
4	ME → USER	Display "Enter"	Text string coding in unpacked format
5	USER → ME	Enter the input "Д" and completion	Russian character, coding in UCS2 format
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 4.1.1	[command performed successfully]

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"

Coding:

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:

Command details
- Command number: 1
- Command type: GET INKEY
- Command qualifier: characters from UCS2 alphabet, no help information available

Device identities
- Source device: ME
- Destination device: SIM

Result
- General Result: Command performed successfully

Text String
- Data coding scheme: 16 bit data UCS2 alphabet format
- Text: "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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 5.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 5.1.1	["Yes/No" Response, no help information available]
4	ME → USER	Display "Enter"	Text string coding in unpacked format
5	USER → ME	Choice "Yes" and Completion	
6	ME → SIM	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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 5.1.2	
8	ME → SIM	FETCH	
9	SIM → ME	PROACTIVE COMMAND: GET INKEY 5.1.2	["Yes/No" Response, no help information available]
10	ME → USER	Display "Enter Yes/No:"	Text string coding in unpacked format
11	USER → ME	Choice "No" and Completion	
12	ME → 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: Command performed successfully
Text String
Data coding scheme: unpacked, 8 bit data
Text: "1"01 (hex)

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
Text: "0"00 (hex)

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 6.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 6.1.1	[BASIC-ICON self-explanatory for the Text string]
4	ME → USER	Display the BASIC-ICON for the prompt	Text string coding in unpacked format
5	USER → ME	Enter "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 6.1.1A	Command performed successfully]

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>"

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: "+"

Coding:

BER-TLV:	81	03	01	22	~~04~~00	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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 6.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 6.1.1	[BASIC-ICON self-explanatory for the Text string]
4	ME → USER	Display "<NO-ICON>" for the prompt without the icon	Text string coding in unpacked format
5	USER → ME	Enter "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 6.1.1B	[Command performed successfully, but 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)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INKEY 6.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 6.2.1	[BASIC-ICON non self-explanatory for the Text string]
4	ME → USER	Display "<BASIC-ICON>" and Display the BASIC-ICON for the prompt	Text string coding in unpacked format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 6.2.1A	[Command performed successfully]

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>"

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: "+"

Coding:

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 6.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 6.2.1	[BASIC-ICON non self-explanatory for the Text string]
4	ME → USER	Display "<BASIC-ICON>" for the prompt without the icon	Text string coding in unpacked format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	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
- Text: "+"

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 6.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 6.3.1	[COLOUR-ICON self-explanatory for the Text string]
4	ME → USER	Display the COLOUR-ICON for the prompt	Text string coding in unpacked format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 6.3.1A	[Command performed successfully]

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>"

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: "+"

Coding:

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 6.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 6.3.1	[COLOUR-ICON self-explanatory for the Text string]
4	ME → USER	Display "<NO-ICON>"for the prompt without the icon	Text string coding in unpacked format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 6.3.1B	[Command performed successfully, but 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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 6.4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 6.4.1	[COLOUR-ICON non self-explanatory for the Text string]
4	ME → USER	Display "<COLOUR-ICON>" and Display the COLOUR-ICON for the prompt	Text string coding in unpacked format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	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>"

Icon Identifier
- Icon qualifier: not 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
	~~0F~~0E	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: ~~:~~ "+"

Coding:

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 → ME	PROACTIVE COMMAND PENDING: GET INKEY 6.4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 6.4.1	[COLOUR-ICON non self-explanatory for the Text string]
4	ME → USER	Display "<COLOUR-ICON>" for the prompt without the icon	Text string coding in unpacked format
5	USER → ME	Enter the input "+" and completion	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 6.4.1B	[Command performed successfully, but 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 6.1A to 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

Expected Sequence 7.1 (GET INKEY, help information available)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: GET INKEY 7.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET INKEY 7.1.1	[digits only, help information available]
4	ME → USER	Display "Enter "+""	Text string coding in unpacked format
5	USER → ME	Press "help" key	
6	ME → SIM	TERMINAL RESPONSE: GET INKEY 7.1.1	[help info required]
7	SIM → ME	PROACTIVE COMMAND PENDING: DISPLAY TEXT 7.1.1	
~~7~~8	ME → SIM	FETCH	
~~8~~9	SIM → ME	PROACTIVE COMMAND: DISPLAY TEXT 7.1.1~~(help info)~~	
10	ME → USER	Display “Help information”	Text string coded in unpacked format
11	USER → ME	Clear Message	
~~9~~12	ME → SIM	TERMINAL RESPONSE: DISPLAY TEXT ~~(help info)~~ 7.1.1	
13	SIM → ME	PROACTIVE COMMAND PENDING: GET INKEY 7.1.2	
14~~0~~	ME → SIM	FETCH	
1~~1~~5	SIM → ME	PROACTIVE COMMAND: GET INKEY 7.1.2	[digits only, help information available]
16~~2~~	ME → USER	Display "Enter "+""	Repetition of get inkey
13~~3~~7	USER → ME	Enter the input "+" and completion	
18~~4~~	ME → SIM	TERMINAL RESPONSE: GET INKEY 7.1.2	[Command performed successfully]

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~~13

PROACTIVE COMMAND : DISPLAY TEXT 7.1.1

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: "Help information"

Coding:

BER-TLV:	D0	1C	81	03	01	21	80	82	02	81	02	8D
	11	04	48	65	6C	70	20	69	6E	66	6F	72
	6D	61	74	69	6F	6E						

TERMINAL RESPONSE : DISPLAY TEXT 7.1.1

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	00

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 successfully
~~Text String~~
Data coding scheme: unpacked, 8 bit data
Text: ~~:~~ "+"

Coding:

BER-TLV:	81	03	01	22	~~00~~80	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.

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

Tdoc ⌘T3- 030709

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A022** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Set Up Menu test cases	
Source:	⌘	T3	
Work item code:	⌘	TEI	***Date:*** ⌘ 22/08/2003
Category:	⌘	**F**	***Release:*** ⌘ R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:⌘[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:
  - 27.22.4.8.1.5
  - 27.22.4.8.2.5
  - 27.22.4.8.3.5
  - 27.22.4.8.4.5
  - 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 verficaction 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: o 27.22.4.8.1 o 27.22.4.8.2 o 27.22.4.8.3 o 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 • Test purposes enhanced in: o 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: o Expected Sequence 3.1 o Expected Sequence 4.1A o Expected Sequence 4.1B o Expected Sequence 4.2A o Expected Sequence 4.2B o 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: ⌘					

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.8.1 SET UP MENU (normal) and ENVELOPE MENU SELECTION ~~(normal)~~

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 → ME	PROACTIVE COMMAND PENDING: SET UP MENU 1.1.1	[First Set Up Menu]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND SET UP MENU 1.1.1	
4	ME → 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 → SIM	TERMINAL RESPONSE: SET UP MENU 1.1.1	[Command Performed Successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit Menu "Toolkit Menu"	
8	ME → USER	Display "Item 1", "Item 2", "Item 3", "Item 4"	
9	USER → ME	Select the "Item 2" Menu entry	
10	ME → SIM	Send the ENVELOPE 1.1.1: MENU SELECTION (Identifier of item: 2)	
11	SIM → ME	PROACTIVE COMMAND PENDING: SET UP MENU 1.1.2	[Second Set Up Menu, REPLACE Old Menu]
12	ME → SIM	FETCH	
13	SIM → ME	PROACTIVE COMMAND SET UP MENU 1.1.2	
14	ME → 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	ME → SIM	TERMINAL RESPONSE: SET UP MENU 1.1.2	[Command Performed Successfully]
16	SIM → ME	PROACTIVE SIM SESSION ENDED	
17	USER → ME	Select the Toolkit Menu "Toolkit Menu"	
18	ME → USER	Display "One", "Two"	
19	USER → ME	Select the "Two" menu entry	
20	ME → SIM	Send the ENVELOPE 1.1.2: MENU SELECTION (Identifier of item: 12)	
21	SIM → ME	PROACTIVE COMMAND PENDING: SET UP MENU 1.1.3 with SW1 / SW2 of '91 0F'.	[Third Set Up Menu, REMOVE Toolkit Menu]
22	ME → SIM	FETCH	
23	SIM → ME	PROACTIVE COMMAND SET UP MENU 1.1.3	
24	ME → USER	Remove the menu "Toolkit Menu" from its menu system.	
25	ME → SIM	TERMINAL RESPONSE: SET UP MENU 1.1.3	[Command Performed Successfully]
26	SIM → ME	PROACTIVE SIM SESSION ENDED	

27	USER → ME	Has to unsuccessfully find the Toolkit Menu	

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	821	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	8182	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 → ME	PROACTIVE COMMAND PENDING: SET UP MENU 1.2.1	[First Large Menu with many items, Fetch of FF bytes]
2	ME → SIM	FETCH	
3	SIM → ME	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	ME → SIM	TERMINAL RESPONSE: SET UP MENU 1.2.1	[Command Performed Successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit "LargeMenu1"	
8	ME → USER	Display "Zero", "One", "Two" … "pico"	
9	USER → ME	Select the "Orange" menu entry	

Step	Direction	MESSAGE / Action	Comments
10	ME → SIM	Send the ENVELOPE 1.2.1: MENU SELECTION (Identifier of item: 0x3D)	
11	SIM → ME	PROACTIVE COMMAND PENDING: SET UP MENU 1.2.2	[Second Large Menu with large items, Fetch of F6 bytes]
12	ME → SIM	FETCH	
13	SIM → ME	PROACTIVE COMMAND SET UP MENU 1.2.2	
14	ME → USER	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 → SIM	TERMINAL RESPONSE: SET UP MENU 1.2.2	[Command Performed Successfully]
16	SIM → ME	PROACTIVE SIM SESSION ENDED	
17	USER → ME	Select the Toolkit Menu "LargeMenu2"	
18	ME → 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 Int Calls", "7 CLI Presentation"	
19	USER → ME	Select the "5 Barring Of All Outgoing Calls" menu entry	
20	ME → SIM	Send the ENVELOPE 1.2.2: MENU SELECTION (Identifier of item: 0xFB)	
21	SIM → ME	PROACTIVE COMMAND PENDING: SET UP MENU 1.2.3	[Third Large Menu with a Large Alpha Identifier and only one Short Item, Fetch of FF bytes]
22	ME → SIM	FETCH	
23	SIM → ME	PROACTIVE COMMAND SET UP MENU 1.2.3	
24	ME → 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 → SIM	TERMINAL RESPONSE: SET UP MENU 1.2.3	[Command Performed Successfully]
26	SIM → ME	PROACTIVE SIM SESSION ENDED	
~~5~~27	USER → ME	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".	

Step	Direction	MESSAGE / Action	Comments
286	ME → USER	Display "Y"	
297	USER → ME	Select the item "Y"	
308	ME → 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:

BER-TLV:	D3	07	821	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:

BER-TLV:	D3	07	8182	02	01	81	90	01	FB

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	8182	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 ~~gas~~ has 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 → ME	PROACTIVE COMMAND PENDING: SET UP MENU 2.1.1	[First Set Up Menu]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND SET UP MENU 2.1.1	
4	ME → 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 → SIM	TERMINAL RESPONSE: SET UP MENU 2.1.1	[Command Performed Successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit Menu "Toolkit Menu"	
8	ME → USER	Display "Item 1", "Item 2", "Item 3", "Item 4"	
9	USER → ME	Select the Help Request on "Item 2" Menu entry	
10	ME → 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:

BER-TLV:	D3	09	~~81~~82	02	01	81	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

Expected Sequence 3.1 (SET UP MENU, next action indicator "Send SM", "Set Up Call", "Launch Browser", "Provide Local Information", successful)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP MENU 3.1.1	[First Set Up Menu]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND SET UP MENU 3.1.1	
4	ME → 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 → SIM	TERMINAL RESPONSE: SET UP MENU 3.1.1	[Command Performed Successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit Menu "Toolkit Menu"	
8	ME → USER	Display "Item 1", "Item 2", "Item 3", "Item 4"	The ME may indicate to the user the consequences of performing the selection of an item.
9	USER → ME	Navigate in the items, then select "Item 2".	~~Check that next action indicators should appear.~~ The ME may indicate to the user the consequences of performing the selection of an item.
10	ME → SIM	Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)	

ENVELOPE 3.1.1: MENU SELECTION

Logically:

Menu selection
Device identities
Source device: Keypad
Destination device: SIM
Item identifier 02

Coding:

BER-TLV:	D3	07	82	02	01	81	90	01	02		

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 → ME	PROACTIVE COMMAND PENDING: SET UP MENU 4.1.1	[First Set Up Menu]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND SET UP MENU 4.1.1	
4	ME → 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 → SIM	TERMINAL RESPONSE: SET UP MENU 4.1.1A	[Command Performed Successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit Menu "Toolkit Menu"	Verify the icon is displayed with alpha id.
8	ME → USER	Display "Item 1", "Item 2", "Item 3".	
9	USER → ME	Navigate in the items, then select "Item 2".	Verify icons are displayed for each item.
10	ME → SIM	Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)	

PROACTIVE COMMAND: SET UP MENU 4.1.1

Logically:

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)

Coding:

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 → ME	PROACTIVE COMMAND PENDING: SET UP MENU 4.1.1	[First Set Up Menu]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND SET UP MENU 4.1.1	
4	ME → 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 → SIM	TERMINAL RESPONSE: SET UP MENU 4.1.1B	[Command performed successfully, but requested icon could not be displayed]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit Menu "Toolkit Menu"	No icon is displayed with alpha id.
8	ME → USER	Display "Item 1", "Item 2", "Item 3".	
9	USER → ME	Navigate in the items, then select "Item 2".	no icon is displayed for each item.
10	ME → SIM	Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)	

TERMINAL RESPONSE: SET UP MENU 4.1.1B

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

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 → ME	PROACTIVE COMMAND PENDING: SET UP MENU 4.2.1	[First Set Up Menu]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND SET UP MENU 4.2.1	
4	ME → 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 → SIM	TERMINAL RESPONSE: SET UP MENU 4.2.1A	[Command Performed Successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit Menu "Toolkit Menu"	Verify the icon is displayed in alpha id.
8	ME → USER	Display "Item 1", "Item 2", "Item 3".	
9	USER → ME	Navigate in the items, then select "Item 2".	Verify icons are displayed for each item.
10	ME → SIM	Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)	

PROACTIVE COMMAND: SET UP MENU 4.2.1

Logically:

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 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)

Coding:

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 → ME	PROACTIVE COMMAND PENDING: SET UP MENU 4.2.1	[First Set Up Menu]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND SET UP MENU 4.2.1	
4	ME → 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 → SIM	TERMINAL RESPONSE: SET UP MENU 4.2.1B	[Command Performed Successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit Menu "Toolkit Menu"	No icon is displayed in alpha id.
8	ME → USER	Display "Item 1", "Item 2", "Item 3".	
9	USER → ME	Navigate in the items, then select "Item 2".	no icon is displayed for each item.

10	ME → 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

Expected Sequence 5.1 (SET UP MENU, SOFT KEY PREFERRED, successful)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP MENU 5.1.1	[First Set Up Menu]
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND SET UP MENU 5.1.1	
4	ME → USER	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 → SIM	TERMINAL RESPONSE: SET UP MENU 5.1.1	[Command Performed Successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	USER → ME	Select the Toolkit Menu "Toolkit Menu"	
8	ME → USER	Display "Item 1", "Item 2"	
9	USER → ME	Navigate in the items, then select "Item 2".	Verify we can select items through soft keys
10	ME → SIM	Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)	

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"

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

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

27.22.4.8.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 5.1.

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

Tdoc ⌘T3- 030710

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A023** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Play Tone test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	• PROACTIVE COMMAND : PLAY TONE 1.1.7: Coding of alpha identifier in contradiction to logical value (“Call wqit” instead of “Call Wait”) • PROACTIVE COMMAND : PLAY TONE 1.1.15: Coding of alpha identifier in contradiction to logical value (“;ABORT” instead of “<ABORT>”) • 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 not approved:	⌘	MEs will fail incorrect implemented test

Clauses affected:	⌘	27.22.4.5.4.2, 27.22.4.5.5			
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 http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.5.4.2 Procedure

Expected Sequence 1.1 (PLAY TONE)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.1	
4	ME → USER	Display "Dial Tone" Play a standard supervisory dial tone through the external ringer for a duration of 5 s	
5	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.1	[Command performed successfully]
6	SIM → ME	PROACTIVE SIM SESSION ENDED	
7	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.2	
8	ME → SIM	FETCH	
9	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.2	
10	ME → USER	Display "Sub. Busy" Play a standard supervisory called subscriber busy tone for a duration of 5 s	
11	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.2	[Command performed successfully]
12	SIM → ME	PROACTIVE SIM SESSION ENDED	
13	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.3	
14	ME → SIM	FETCH	
15	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.3	
16	ME → USER	Display "Congestion" Play a standard supervisory congestion tone for a duration of 5 s	
17	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.3	[Command performed successfully]
18	SIM → ME	PROACTIVE SIM SESSION ENDED	
19	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4	
20	ME → SIM	FETCH	
21	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.4	
22	ME → USER	Display "RP Ack" Play a standard supervisory radio path acknowledgement tone	
23	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.4	[Command performed successfully]
24	SIM → ME	PROACTIVE SIM SESSION ENDED	
25	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.5	
26	ME → SIM	FETCH	
27	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.5	

Step	Direction	MESSAGE / Action	Comments
28	ME → USER	Display "No RP" Play a standard supervisory radio path not available / call dropped tone for a duration of 5 s	
29	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.5	[Command performed successfully]
30	SIM → ME	PROACTIVE SIM SESSION ENDED	
31	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.6	
32	ME → SIM	FETCH	
33	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.6	
34	ME → USER	Display "Spec Info" Play a standard supervisory error / special information tone for a duration of 5 s	
35	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.6	[Command performed successfully]
36	SIM → ME	PROACTIVE SIM SESSION ENDED	
37	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.7	
38	ME → SIM	FETCH	
39	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.7	
40	ME → USER	Display "Call Wait" Play a standard supervisory call waiting tone for a duration of 5 s	
41	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.7	[Command performed successfully]
42	SIM → ME	PROACTIVE SIM SESSION ENDED	
43	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.8	
44	ME → SIM	FETCH	
45	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.8	
46	ME → USER	Display "Ring Tone" Play a standard supervisory ringing tone for duration of 5 s	
47	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.8	[Command performed successfully]
48	SIM → ME	PROACTIVE SIM SESSION ENDED	
49	USER → ME	Set up a voice call	[User dials 123456789 to connect to the network manually]
50	ME → Network	Establish voice call	[Voice call is established]
51	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.9	
52	ME → SIM	FETCH	
53	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.9	
54	ME → USER	Display "Dial Tone" Superimpose the standard supervisory dial tone on the audio downlink for the duration of 5 s	
55	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.9	[Command performed successfully]
56	SIM → ME	PROACTIVE SIM SESSION ENDED	

Step	Direction	MESSAGE / Action	Comments
57	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.10	
58	ME → SIM	FETCH	
59	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.10	
60	ME → USER	Display "This command instructs 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" Play a general beep	
61	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.10a or TERMINAL RESPONSE: PLAY TONE 1.1.10b	[Command performed successfully] or [Command beyond ME's capabilities]
62	SIM → ME	PROACTIVE SIM SESSION ENDED	
63	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.11	
64	ME → SIM	FETCH	
65	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.11	
66	ME → USER	Display "Beep" Play a ME proprietary general beep	
67	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.11a Or TERMINAL RESPONSE: PLAY TONE 1.1.11b	[Command performed successfully] or [Command beyond ME's capabilities]
68	SIM → ME	PROACTIVE SIM SESSION ENDED	
69	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.12	
70	ME → SIM	FETCH	
71	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.12	
72	ME → USER	Display "Positive" Play a ME proprietary positive acknowledgement tone	
73	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.12a or TERMINAL RESPONSE: PLAY TONE 1.1.12b	[Command performed successfully] or [Command beyond ME's capabilities]
74	SIM → ME	PROACTIVE SIM SESSION ENDED	
75	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.13	
76	ME → SIM	FETCH	
77	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.13	
78	ME → USER	Display "Negative" Play a ME proprietary negative acknowledgement tone	

Step	Direction	MESSAGE / Action	Comments
79	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.13a or TERMINAL RESPONSE: PLAY TONE 1.1.13b	[Command performed successfully] or [Command beyond ME's capabilities]
80	SIM → ME	PROACTIVE SIM SESSION ENDED	
81	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.14	
82	ME → SIM	FETCH	
83	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.14	
84	ME → USER	Display "Quick" Play a ME proprietary general beep	
85	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.14a or TERMINAL RESPONSE: PLAY TONE 1.1.14b	[Command performed successfully] or [Command beyond ME's capabilities]
86	SIM → ME	PROACTIVE SIM SESSION ENDED	
87	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.15	
88	ME → SIM	FETCH	
89	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.15	
90	ME → USER	Display "<ABORT>" Play a ME Error / Special information tone for 1 minute until user aborts this command	
91	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.15	[Proactive SIM session terminated by the user]
92	SIM → ME	PROACTIVE SIM SESSION ENDED	
93	SIM → ME	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16	
94	ME → SIM	FETCH	
95	SIM → ME	PROACTIVE COMMAND: PLAY TONE 1.1.16	[No alpha identifier, no tone tag, no duration tag]
96	ME → User	ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone	[ME uses default duration defined by ME-manufacturer]
97	ME → SIM	TERMINAL RESPONSE: PLAY TONE 1.1.16	[Command performed successfully], [ME uses general beep, or if not supported any (defined by ME-manufacturer) other supported tone, uses default duration defined by ME-manufacturer]
98	SIM → 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

Coding:

BER-TLV:	D0	1B	81	03	01	20	00	82	02	81	03	85
	09	43	61	6C	6C	20	57	~~71~~61	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>"
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~~3C	41	42	4F	52	54	3E	8E	01	06	84
	02	00	01									

TERMINAL RESPONSE: PLAY TONE 1.1.10b ..1.1.1~~0~~4b

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 sequence~~s~~ 1.1.

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

Tdoc ⌘T3- 030711

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A024** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Poll Intervall test case
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	• 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:	⌘	Correction of Duration TLV tag and test requirement.
Consequences if not 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:	⌘	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 http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.6.4.2 Procedure

Expected Sequence 1.1 (POLL INTERVAL, Seconds)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: POLL INTERVAL 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: POLL INTERVAL 1.1.1	[Duration: 20 seconds]
4	ME → SIM	TERMINAL RESPONSE: POLL INTERVAL 1.1.1	[Command performed successfully]
5	ME	ME polls in intervals of 20 seconds	

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: Seconds
- Time interval: 20

Coding:

BER-TLV:	D0	0D	81	03	01	03	00	82	02	81	82	84
	02	01	14									

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~~03	00	82	02	82	81	83	01	00
	~~82~~84	02	01	14								

27.22.4.6.5 Test requirement

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

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

Tdoc ⌘T3-030712

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A029** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Send SS test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- PROACTIVE COMMAND: SEND SS 1.4.1: Incorrect length indicated in SS String TLV
- TERMINAL RESPONSE : SEND SS 1.5.1: Incorrect length in Result TLV indicated
- 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.
- PROACTIVE COMMAND : SEND SS 2.2.1: length bytes of proactive command and alpha identifier TLV missing
- 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

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

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Below is a brief summary:

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2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: SEND SS 1.4.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SS 1.4.1	
4	ME → USER	Display "Call Forward"	
5	ME → SS	REGISTER 1.2	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.2	[Successful]
7	ME → 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~~19	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 → ME	PROACTIVE COMMAND PENDING: SEND SS 1.5.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SS 1.5.1	
4	ME → USER	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 → SS	REGISTER 1.3	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.3	[Successful]
7	ME → SIM	TERMINAL RESPONSE: SEND SS 1.5.1	

TERMINAL RESPONSE: SEND SS 1.5.1

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: SS Code
- Parameters: SS Return Result

Coding:

BER-TLV:	81	03	01	11	00	82	02	82	81	03	010A
	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 → ME	PROACTIVE COMMAND PENDING: SEND SS 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SS 2.1.1	[BASIC-ICON, self-explanatory]
4	ME → USER	Display the icon without the alpha identifier	
5	ME → SS	REGISTER 1.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.1	[Successful]
7	ME → 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

Alpha identifier: "Basic Icon"

SS String
- TON: International
- NPI: "ISDN / telephone numbering plan"
- SS string: "**21*+0123456789012345678 9#"

Icon Identifier:
- Icon qualifier: icon is self-explanatory
- Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	2A9	81	03	01	11	00	82	02	81	83	85
	0B0A	4204	6142	7361	6973	6369	2063	4920	6349	6F63	6E6F	896E
	0E89	910E	AA91	12AA	0A12	210A	4321	6543	8765	0987	2109	4321
	6543	8765	B987	9EB9	029E	0002	0100	01				

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 → ME	PROACTIVE COMMAND PENDING: SEND SS 2.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SS 2.2.1	[COLOUR-ICON, self-explanatory]
4	ME → USER	Display the icon	
5	ME → SS	REGISTER 1.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.1	[Successful]
7	ME → SIM	TERMINAL RESPONSE: SEND SS 2.1.1A	[Command performed successfully]

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
- Alpha identifier: "Colour Icon"

SS String
- TON: International
- NPI: "ISDN / telephone numbering plan"
- SS string: "**21*+0123456789012345678 9#"

Icon Identifier:
- Icon qualifier: icon is self-explanatory
- Icon Identifier: record 2 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	2A	81	03	01	11	00	82	02	81	83	85
	0B	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 → ME	PROACTIVE COMMAND PENDING: SEND SS 2.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SS 2.3.1	[BASIC-ICON, non self-explanatory]
4	ME → USER	Display "Basic Icon" and the icon	
5	ME → SS	REGISTER 1.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.1	[Successful]
7	ME → SIM	TERMINAL RESPONSE: SEND SS 2.1.1A	[Command performed successfully]

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

~~Alpha Identifier~~
- ~~Data coding scheme: unpacked, 8 bit data~~
- Text: "Basic Icon"

SS String
- TON: International
- NPI: "ISDN / telephone numbering plan"
- SS string: "**21*+0123456789012345678 9#"

Icon Identifier
- Icon qualifier: icon is non self-explanatory
- Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	2~~A~~9	81	03	01	11	00	82	02	81	83	85
	~~0B~~0A	42~~04~~	61~~42~~	73~~61~~	69~~73~~	63~~69~~	20~~63~~	49~~20~~	63~~49~~	6F~~63~~	6E~~6F~~	89~~6E~~
	0E~~89~~	91~~0E~~	AA~~9 1~~	12~~A A~~	0A~~12~~	21~~0A~~	43~~21~~	65~~43~~	87~~65~~	09~~87~~	21~~09~~	43~~21~~
	65~~43~~	87~~65~~	B9~~87~~	9E~~B 9~~	02~~9E~~	01~~02~~	01~~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.~~2~~3 SEND SS (UCS2 support)

27.22.4.11.~~2~~3.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.~~2~~3.2 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.~~2~~3.3 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.~~2~~3.4 Method of test

27.22.4.11.~~2~~3.4.1 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.~~2~~3.4.2 Procedure

Expected Sequence 3.1 (SEND SS, call forward unconditional, all bearers, successful, UCS2 text)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SEND SS 3.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND SS 3.1.1	
4	ME → USER	Display "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	ME → SS	REGISTER 1.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.1	[Successful]
7	ME → SIM	TERMINAL RESPONSE: SEND SS 1.1.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SS 3.1.1

Logically:

Command details
- Command number: 1
- Command type: SEND SS
- Command qualifier: "00"

Device identities
- Source device: SIM
- Destination device: Network

Alpha Identifier
Data coding scheme: UCS2 (16bit)
Text: "ЗДРАВСТВУЙТЕ"
SS String
TON: International
NPI: "ISDN / telephone numbering plan"
SS string: "**21*+0123456789012345678 9#"

Coding:

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.~~2~~3.5 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

⌘ **11.10-4** **CR** **A031** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Send USSD test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- 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 1.3.1
- 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 2.2.1
  - 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 http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: SEND USSD 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 1.1.1	
4	ME → USER	Display "7-bit USSD"	
5	ME → SS	REGISTER 1.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.1	["USSD string received from SS"]
7	ME → 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:

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	~~F~~00	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 → ME	PROACTIVE COMMAND PENDING: SEND USSD 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 1.2.1	
4	ME → USER	Display "8-bit USSD"	
5	ME → SS	REGISTER 1.2	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.2	["USSD string received from SS"]
7	ME → SIM	TERMINAL RESPONSE: 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

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, 8-bit data
- String: "USSD string received from SS"

Coding:

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1D	~~44~~04	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 → ME	PROACTIVE COMMAND PENDING: SEND USSD 1.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 1.3.1	
4	ME → USER	Display "UCS2 USSD"	
5	ME → SS	REGISTER 1.3	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 1.3	["USSD string received from SS"]
7	ME → 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"

Coding:

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	39	~~48~~08	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 → ME	PROACTIVE COMMAND PENDING: SEND USSD 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 1.1.1	
4	ME → USER	Display "7-bit USSD"	
5	ME → SS	REGISTER 1.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN ERROR) 1.1	Return Error
7	ME → 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"

Coding:

BER-TLV:	81	03	01	12	00	82	02	82	81	83	02
	37	476									

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 → ME	PROACTIVE COMMAND PENDING: SEND USSD 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 2.1.1	[BASIC-ICON, self-explanatory]
4	ME → USER	Display BASIC ICON	
5	ME → SS	REGISTER 2.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 2.1	["USSD string received from SS"]
7	ME → 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 $EF_{(IMG)}$

Coding:

BER-TLV:	D0	5554	81	03	01	12	00	82	02	81	83	85
	0B0A	4204	6142	7361	6973	6369	2063	4920	6349	6F63	6E6F	6E8A
	398A	F039	41F0	E141	90E1	5890	3458	1E34	911E	4991	E549	E592
	D992	74D9	3E74	A13E	51A1	E951	94E9	5A94	B55A	5EB5	B15E	B159
	6D59	2B6D	2C2B	1E2C	931E	CB93	E6CB	33E6	3A33	AD3A	5EAD	5EB3
	DB83	EEDB	37EE	3C37	2E3C	9F2E	D39F	EBD3	F6EB	3BF6	3E3B	3EAF
	6FAF	C56F	64C5	3364	5A33	CD5A	76CD	C376	E5C3	60E5	9E60	9E02
	0002	0100	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	0F0	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 → ME	PROACTIVE COMMAND PENDING: SEND USSD 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 2.1.1	[BASIC-ICON, self-explanatory]
4	ME → USER	Display "Basic Icon" without the icon	
5	ME → SS	REGISTER 2.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 2.1	["USSD string received from SS"]
7	ME → SIM	TERMINAL RESPONSE: SEND USSD 2.1.1B	[Command performed but requested icon 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:

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	04	8D	1A	~~F~~00	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 2.2 (SEND USSD, 7-bit data, successful, colour icon self explanatory)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SEND USSD 2.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 2.2.1	[COLOUR-ICON, self-explanatory]
4	ME → USER	Display COLOUR-ICON or May give information to user concerning what is happening	
5	ME → SS	REGISTER 2.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 2.1	["USSD string received from SS"]
7	ME → SIM	TERMINAL RESPONSE: SEND USSD 2.1.1A or TERMINAL RESPONSE: SEND USSD 2.1.1B	[Command performed successfully] or [Command performed but requested icon could not be displayed]

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	5554	81	03	01	12	00	82	02	81	83	85
	0B0A	4304	6F43	6C6F	6F6C	726F	2072	4920	6349	6F63	6E6F	6E8A
	398A	F039	41F0	E141	90E1	5890	3458	1E34	911E	4991	E549	E592
	D992	74D9	3E74	A13E	51A1	E951	94E9	5A94	B55A	5EB5	B15E	B159
	6D59	2B6D	2C2B	1E2C	931E	CB93	E6CB	33E6	3A33	AD3A	5EAD	5EB3
	DBB3	EED B	37EE	3C37	2E3C	9F2E	D39F	EBD3	F6EB	3BF6	3E3B	3EAF
	6FAF	C56F	64C5	3364	5A33	CD5A	76CD	C376	E5C3	60E5	9E60	9E02
	0002	0200	02									

Expected Sequence 2.3A (SEND USSD, 7-bit data, successful, basic icon non self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SEND USSD 2.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 2.3.1	[BASIC-ICON, non self-explanatory]
4	ME → USER	Display "Basic Icon" and BASIC-ICON	
5	ME → SS	REGISTER 2.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 2.1	["USSD string received from SS"]
7	ME → SIM	TERMINAL RESPONSE: SEND USSD 2.1.1A	[Command performed successfully]

PROACTIVE COMMAND: SEND USSD 2.3.1

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 non self-explanatory
- Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	5554	81	03	01	12	00	82	02	81	83	85
	0B0A	4204	6142	7361	6973	6369	2063	4920	6349	6F63	6E6F	6E8A
	398A	F039	41F0	E141	90E1	5890	3458	1E34	911E	4991	E549	E592
	D992	74D9	3E74	A13E	51A1	E951	94E9	5A94	B55A	5EB5	B15E	B159
	6D59	2B6D	2C2B	1E2C	931E	CB93	E6CB	33E6	3A33	AD3A	5EAD	5EB3
	DBB3	EED B	37EE	3C37	2E3C	9F2E	D39F	EBD3	F6EB	3BF6	3E3B	3EAF
	6FAF	C56F	64C5	3364	5A33	CD5A	76CD	C376	E5C3	60E5	9E60	9E02
	0102	0101	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 → ME	PROACTIVE COMMAND PENDING: SEND USSD 3.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SEND USSD 3.1.1	
4	ME → USER	Display "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	ME → SS	REGISTER 3.1	
6	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 3.1	[Successful]
7	ME → 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

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	~~F0~~00	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				

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

Tdoc ⌘T3-030714

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A033** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Power Off Card test case
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	• Tag byte indicating Result TLV missing in: o TERMINAL RESPONSE : POWER OFF CARD 1.1.1 o TERMINAL RESPONSE : POWER OFF CARD 1.2.1 o 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.
Consequences if not approved:	⌘	MEs will fail incorrect tests.

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

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 http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: POWER OFF CARD 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: POWER OFF CARD 1.1.1	[Power off card reader 1]
4	ME → SIM2	POWER OFF CARD	[Power off card reader 1]
5	ME → SIM	TERMINAL RESPONSE: POWER OFF CARD 1.1.1	[Successful]

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

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	~~01~~83	~~00~~01
	00										

Expected Sequence 1.2 (POWER OFF CARD, card reader 1, no card inserted)

Step	Direction	MESSAGE / Action	Comments
1	SIM2	SIM2 is removed from ME card reader	
2	SIM → ME	PROACTIVE COMMAND PENDING: POWER OFF CARD 1.1.1	
3	ME → SIM	FETCH	
4	SIM → ME	PROACTIVE COMMAND: POWER OFF CARD 1.1.1	[Power off card reader 1]
5	ME → SIM	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	8302	3802
	0238	02									

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	SIM → ME	PROACTIVE COMMAND PENDING: POWER OFF CARD 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: POWER OFF CARD 2.1.1	[Power off card reader 1]
4	ME → SIM	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

Coding:

BER-TLV:	D0	09	81	03	01	32	00	82	02	81	11

TERMINAL RESPONSE: POWER OFF CARD 2.1.1

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: MultipleCard commands error
- Additional Information: Card reader removed or not present

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	~~02~~83	~~38~~02
	~~01~~38	01									

27.22.4.18.2.5 Test requirement

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

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

Tdoc ⌘T3-030715

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A034** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Perform Card APDU test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- 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: ⌘ 27.22.4.17.1.4.2, 27.22.4.17.1.5, 27.22.4.17.2.5

	Y	N		
Other specs affected: ⌘		N	Other core specifications	⌘
		N	Test specifications	
		N	O&M Specifications	

Other comments: ⌘

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: POWER OFF CARD 1.3.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: POWER OFF CARD 1.3.1	[Power off card reader 1]
4	ME → SIM2	POWER OFF CARD	[Power off card reader 1]
5	ME → SIM	TERMINAL RESPONSE: POWER OFF CARD 1.3.1	[Successful]
6	ME	SIM2 is powered off from ME card reader	
7	SIM → ME	PROACTIVE COMMAND PENDING: PEFORM CARD APDU 1.1.1	
8	ME → SIM	FETCH	
9	SIM → ME	PROACTIVE COMMAND: PERFORM CARD APDU 1.1.1	[Select Master File]
10	ME → SIM	TERMINAL RESPONSE: PERFORM CARD APDU 1.3.1	[Card powered off]

PROACTIVE COMMAND: POWER OFF CARD 1.3.1

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 1.3.1

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

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	~~01~~83	~~00~~01
	00										

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: MultipleCard commands error
Additional Information: Card powered off

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	~~02~~83	~~38~~02
	~~04~~38	04									

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 → ME	PROACTIVE COMMAND PENDING: PEFORM CARD APDU 1.1.1	
3	ME → SIM	FETCH	
4	SIM → ME	PROACTIVE COMMAND: PERFORM CARD APDU 1.1.1	[Select Master File]
5	ME → SIM	TERMINAL RESPONSE: PERFORM CARD APDU 1.4.1	[No card inserted]

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: Card removed or not present

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	~~02~~83	~~38~~02
	~~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 → ME	PROACTIVE COMMAND PENDING: PEFORM CARD APDU 1.5.1	[invalid card reader ID]
3	ME → SIM	FETCH	
4	SIM → ME	PROACTIVE COMMAND: PERFORM CARD APDU 1.5.1	[Select Master File]
5	ME → SIM	TERMINAL RESPONSE: PERFORM CARD APDU 1.5.1	[Specified reader not valid]

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

Coding:

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~~83	~~38~~02
	~~09~~38	09									

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.

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

Tdoc ⌘T3-030716

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A035** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential correction to Get Reader Status test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	• 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:	⌘	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 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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Below is a brief summary:

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2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: POWER ON CARD 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: POWER ON CARD 1.1.1	[Power on card reader 1]
4	ME → SIM2	RESET CARD	[Perform electrical initialization]
5	SIM2 → ME	ANSWER TO RESET 1.1.1	[ATR]
6	ME → SIM	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

Coding:

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): 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'

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'

Coding:

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 → ME	PROACTIVE COMMAND PENDING: POWER ON CARD 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: POWER ON CARD 1.1.1	[Power on card reader 1]
4	ME → SIM2	RESET CARD	[Perform electrical initialization]
5	SIM2 → ME	NO ATR	[No ATR]
6	ME → SIM	TERMINAL RESPONSE: POWER ON CARD 1.2.1	[No ATR]

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

Coding:

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 → ME	PROACTIVE COMMAND PENDING: POWER OFF CARD 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: POWER OFF CARD 1.2.1	[Power off card reader 1]
4	ME → SIM2	POWER OFF CARD	[Power off card reader 1]
5	ME → SIM	TERMINAL RESPONSE: POWER OFF CARD 1.2.1	[Successful]
6	SIM → ME	PROACTIVE COMMAND PENDING: GET CARD READER STATUS 1.1.1	
7	ME → SIM	FETCH	
8	SIM → ME	PROACTIVE COMMAND: GET CARD READER STATUS 1.1.1	[Get Card Reader Status]
9	ME → SIM	TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1a Or TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1b or TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1c Or TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1d	[Successful] [Successful] [Successful] [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

Coding:

BER-TLV:	81	03	01	32	00	82	02	82	81	~~01~~83	~~00~~01
	00										

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 sequence~~s~~ 2.1.

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

Tdoc ⌘T3-030717

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A036** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Send DTMF test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	• PROACTIVE COMMAND : SEND DTMF 2.1.1: Incorrect length indicated • PROACTIVE COMMAND : SEND DTMF 2.2.1: Two differnet 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

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 http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: SEND DTMF 2.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : SEND DTMF 2.1.1	[BASIC-ICON, self-explanatory]
4	ME → USER	Display the BASIC-ICON Do not locally generate audible DTMF tones and play them to the user.	
5	ME → SS	Start DTMF 1.1	["1"]
6	ME		No DTMF sending for 3 seconds +/-20%
7	ME → SS	Start DTMF 1.2	["2"]
8	ME → SIM	TERMINAL RESPONSE : SEND DTMF 2.1.1A	[Command performed successfully]
9	SIM → 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	~~1B~~1D	81	03	01	14	00	82	02	81	83	85
	0A	42	61	73	69	63	20	49	63	6F	6E	AC
	02	C1	F2	9E	02	00	01					

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 → ME	PROACTIVE COMMAND PENDING: SEND DTMF 2.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND : SEND DTMF 2.2.1	[COLOUR-ICON]
4	ME → USER	Display the COLOUR-ICON Do not locally generate audible DTMF tones and play them to the user.	
5	ME → SS	Start DTMF 1.1	["1"]
6	ME		No DTMF sending for 3 seconds +/-20%
7	ME → SS	Start DTMF 1.2	["2"]
8	ME → SIM	TERMINAL RESPONSE : SEND DTMF 2.1.1A	[Command performed successfully]
9	SIM → ME	PROACTIVE SIM SESSION ENDED	

PROACTIVE COMMAND : SEND DTMF 2.2.1

Logically:

Command details
- Command number: 1
- Command type: SEND DTMF
- Command qualifier: "00"

Device identities
- Source device: SIM
- Destination device: Network

Alpha identifier: “Colour Icon”

DTMF String: "1" pause "2"

Icon Identifier:
- Icon qualifier: icon is self-explanatory
- Icon Identifier: record 2 in $EF_{(IMG)}$

Coding:

~~BER-TLV:~~	~~D0~~	~~11~~	~~81~~	~~03~~	~~01~~	~~14~~	~~00~~	~~82~~	~~02~~	~~81~~	~~83~~	~~AC~~
	~~02~~	~~C1~~	~~F2~~	~~9E~~	~~02~~	~~00~~	~~02~~					
BER-TLV:	D0	~~1C~~1E	81	03	01	14	00	82	02	81	83	85
	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

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A039** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Select Item test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘
- 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.

Consequences if not approved: ⌘ Incorrect step numbering and missing test requirements in contradiction to cl. 9 of TS 11.10-4

Clauses affected: ⌘ 27.22.4.9.1.4.2, 27.22.4.9.2, 27.22.4.9.3, 27.22.4.9.4, 27.22.4.9.5, 27.22.4.9.6, 27.22.4.9.7

	Y	N		
Other specs affected: ⌘		N	Other core specifications	⌘
		N	Test specifications	
		N	O&M Specifications	

Other comments: ⌘

How to create CRs using this form:

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

27.22.4.9.1.4.2 Procedure

Expected Sequence 1.1 (SELECT ITEM, mandatory features, successful)

Step	Direction	MESSAGE / Action	Comments
1	SIM → ME	PROACTIVE COMMAND PENDING: SELECT ITEM 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SELECT ITEM 1.1.1	
4	ME → USER	Display items of "Item 1", "Item 2", "Item 3" and "Item 4" under the header of "Toolkit Select".	
5	USER → ME	Select "Item 2".	
6	ME → SIM	TERMINAL RESPONSE: SELECT ITEM 1.1.1	Command performed successfully

Expected Sequence 1.2 (SELECT ITEM, large menu, successful)

Step	Direction	MESSAGE / Action	Comments
~~7~~1	SIM → ME	PROACTIVE COMMAND PENDING: SELECT ITEM 1.2.1	
~~8~~2	ME → SIM	FETCH	
~~9~~3	SIM → ME	PROACTIVE COMMAND: SELECT ITEM 1.2.1	
~~10~~4	ME → 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"	
~~11~~5	USER → ME	Select item "Orange".	
6~~12~~	ME → SIM	TERMINAL RESPONSE: SELECT ITEM 1.2.1	Command performed successfully

Expected Sequence 1.3 (SELECT ITEM, call options, successful)

Step	Direction	MESSAGE / Action	Comments
~~13~~1	SIM → ME	PROACTIVE COMMAND PENDING: SELECT ITEM 1.3.1	
2~~14~~	ME → SIM	FETCH	
~~15~~3	SIM → ME	PROACTIVE COMMAND: SELECT ITEM 1.3.1	
4~~16~~	ME → 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~~5	USER → ME	Select item "Barring Of All Outgoing Calls".	
6~~18~~	ME → SIM	TERMINAL RESPONSE: SELECT ITEM 1.3.1	Command performed successfully
~~19~~7	SIM → ME	PROACTIVE SIM SESSION ENDED	

Expected Sequence 1.4 (SELECT ITEM, backward move by user, successful)

Step	Direction	MESSAGE / Action	Comments
1~~20~~	SIM → ME	PROACTIVE COMMAND PENDING: SELECT ITEM 1.4.1	[
~~21~~2	ME → SIM	FETCH	
3~~22~~	SIM → ME	PROACTIVE COMMAND: SELECT ITEM 1.4.1	
~~23~~4	ME → USER	Present the items of "One" and "Two" under the header of "Select Item".	
5~~24~~	USER → ME	Indicate to go backwards in the proactive SIM application session.	
~~25~~6	ME → SIM	TERMINAL RESPONSE: SELECT ITEM 1.4.1	Backward move in the proactive SIM application session requested by user
7~~26~~	SIM → ME	PROACTIVE COMMAND PENDING: SELECT ITEM 1.4.2	
~~27~~8	ME → SIM	FETCH	
9~~28~~	SIM → ME	PROACTIVE COMMAND: SELECT ITEM 1.4.2	
~~29~~10	ME → USER	Present the items of "One" and "Two" under the header of "Select Item".	
11~~30~~	USER → ME	Indicate to end the proactive SIM application and return the ME to normal operation.	
~~31~~12	ME → SIM	TERMINAL RESPONSE: SELECT ITEM 1.4.2	Proactive SIM application terminated by the user
13~~32~~	SIM → ME	PROACTIVE SIM SESSION ENDED	

Expected Sequence 1.5 (SELECT ITEM, "Y", successful)

Step	Direction	MESSAGE / Action	Comments
~~33~~1	SIM → ME	PROACTIVE COMMAND PENDING: SELECT ITEM 1.5.1	
2~~34~~	ME → SIM	FETCH	
~~35~~3	SIM → ME	PROACTIVE COMMAND: SELECT ITEM 1.5.1	
4~~36~~	ME → 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~~5	USER → ME	Select item "Y"	
6~~38~~	ME → SIM	TERMINAL RESPONSE: SELECT ITEM 1.5.1	Command performed successfully
~~39~~7	SIM → ME	PROACTIVE SIM SESSION ENDED	

Expected Sequence 1.6 (SELECT ITEM, Large menu, successful)

Step	Direction	MESSAGE / Action	Comments
1~~40~~	SIM → ME	PROACTIVE COMMAND PENDING: SELECT ITEM 1.6.1	
~~41~~2	ME → SIM	FETCH	
3~~42~~	SIM → ME	PROACTIVE COMMAND: SELECT ITEM 1.6.1	
~~43~~4	ME → 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 "0LargeMenu".	
5~~44~~	USER → ME	Select item "5 Barring Of All Outgoing Calls".	
~~45~~6	ME → SIM	TERMINAL RESPONSE: SELECT ITEM 1.6.1	Command performed successfully

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)

27.22.4.9.3.5 Test requirement

The 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.

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

Tdoc ⌘T3-030719

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A040** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to card reader status event download test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1: Incorrect length indicated
- The value byte of the card reader status TLV is code in contradiction to the logical value (s.a. TS 11.14) in:
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1a
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1b
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1c
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1d
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2a
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2b
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2c
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2d
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1a (second occurrence)
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.1b
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2a
  - ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2b
- Numbering of ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1a (second occurrence) is incorrect. Shall be ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.1a

Summary of change: ⌘ Above listed errors corrected.

Consequences if ⌘ MEs will fail these tests due to incorrect coded expected data.

not approved:	

Clauses affected:	⌘	27.22.7.7.1.4.2, 27.22.7.7.2.4.2			
Other specs affected:	⌘	**Y**	**N**	Other core specifications	⌘
			N	Test specifications	
			N	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 ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND 1.1.1 PENDING	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	[EVENT: Card Reader Status]
4	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[Successfully]
5	User → ME	Insert a card in Reader	
6	ME → SIM	ENVELOPE: CARD READER STATUS 1.1.1a or ENVELOPE: CARD READER STATUS 1.1.1b Or ENVELOPE: CARD READER STATUS 1.1.1c Or ENVELOPE: CARD READER STATUS 1.1.1d	
7	User → ME	Remove the card from Reader	
8	ME → SIM	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 1.1.2d	

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	~~0D~~0C	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

Coding:

BER-TLV:	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~~79

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:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	~~95~~59

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

Coding:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	~~17~~71

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:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	~~15~~51

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:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	~~93~~39

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:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	~~91~~19

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~~31

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2d

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: No
Card powered: No

Coding:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	~~91~~11

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 → ME	PROACTIVE COMMAND 1.1.1PENDING	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	[SET UP EVENT: Card Reader Status]
4	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[Successfully]
5	User → ME	Attach the Card Reader to ME	
6	ME → SIM	ENVELOPE: CARD READER STATUS 2.1.1a Or ENVELOPE: CARD READER STATUS 2.1.1b	
7	User → ME	Detach the Card Reader from ME	
8	ME → SIM	ENVELOPE: CARD READER STATUS 2.1.2a Or ENVELOPE: CARD READER STATUS 2.1.2b	

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS ~~1~~2.1.1a

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~~39

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

Coding:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	~~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:

BER-TLV:	D6	0A	99	01	06	82	02	82	81	A0	01	~~92~~29

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2b

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: No
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	~~90~~09

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

Tdoc ⌘T3-030720

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A045** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Receive Data test cases		
Source:	⌘	T3		
Work item code:	⌘	TEI	***Date:*** ⌘	22/08/2003
Category:	⌘	**F**	***Release:*** ⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

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

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

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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).~~

27.22.4.29.4.2 Procedure

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
1	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 PENDING	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	
4	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	
5	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
6	ME → SIM	FETCH	
7	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	[Immediate link establishment, CSD, 9600bps V.32]
8	ME → SS	SETUP CALL	
9	SS → ME	CONNECTED	
10	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
11	SS → ME	Transfer of 1kB data to the ME through channel 1	
~~1~~12	ME → SIM	ENVELOPPE (Data Available)	(1 kB ~~bytes~~ of data in the ME buffer)
~~2~~13	SIM → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.1	
~~3~~14	ME → SIM	FETCH	
~~4~~15	SIM → ME	PROACTIVE COMMAND: RECEIVE DATA 1.1.1	200 Bytes
~~5~~16	ME → SIM	TERMINAL RESPONSE: RECEIVE DATA 1.1.1	
~~6~~17	SIM → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.2	
~~7~~18	ME → SIM	FETCH	
~~8~~19	SIM → ME	PROACTIVE COMMAND: RECEIVE DATA 1.1.2	200 Bytes
~~9~~20	ME → SIM	TERMINAL RESPONSE: RECEIVE DATA 1.1.2	
~~10~~21	SIM → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.3	
~~11~~22	ME → SIM	FETCH	
~~12~~23	SIM → ME	PROACTIVE COMMAND: RECEIVE DATA 1.1.3	200 Bytes
~~13~~24	ME → SIM	TERMINAL RESPONSE: RECEIVE DATA 1.1.3	
~~14~~25	SIM → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.4	
~~15~~26	ME → SIM	FETCH	
~~16~~27	SIM → ME	PROACTIVE COMMAND: RECEIVE DATA 1.1.4	200 Bytes
~~17~~28	ME → SIM	TERMINAL RESPONSE: RECEIVE DATA 1.1.4	
~~18~~29	SIM → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.5	
~~19~~30	ME → SIM	FETCH	
~~20~~31	SIM → ME	PROACTIVE COMMAND: RECEIVE DATA 1.1.5	200 Bytes
~~21~~32	ME → 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: SIM
Destination device: ME
Event list Data available

Coding:

BER-TLV:	D0	0C	81	03	01	05	00	82	02	81	82	99
	01	09										

TERMINAL RESPONSE: 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: 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: 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:	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	03	E8				

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

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
	03	E8										

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~~ME
Destination device: SIM
Result
General Result: Command performed successfully
Channel data length: FF

Coding:

BER-TLV:	81	03	01	42	00	82	02	82~~1~~	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~~ME
Destination device: SIM
Result
General Result: Command performed successfully
Channel data length: FF

Coding:

BER-TLV:	81	03	02	42	00	82	02	82~~1~~	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 1~~ME
Destination device: SIM
Result
General Result: Command performed successfully
Channel data length: FF

Coding:

BER-TLV:	81	03	03	42	00	82	02	82~~1~~	81	83	01	00
	B6	C8	xx	xx	xx	..						
	B7	01	FF									

TERMINAL RESPONSE: RECEIVE DATA 1.1.4

Logically:

Command details
Command number: 4
Command type: RECEIVE DATA
Command qualifier: RFU
Device identities
Source device: ~~Channel 1~~ME
Destination device: SIM
Result
General Result: Command performed successfully
Channel data length: C8

Coding:

BER-TLV:	81	03	04	42	00	82	02	82~~1~~	81	83	01	00
	B6	C8	xx	xx	xx	..						
	B7	01	C8									

TERMINAL RESPONSE: RECEIVE DATA 1.1.5

Logically:

Command details
Command number: 5
Command type: RECEIVE DATA
Command qualifier: RFU
Device identities
Source device: ~~Channel 1~~ME
Destination device: SIM
Result
General Result: Command performed successfully
Channel data length: 00

Coding:

BER-TLV:	81	03	01	42	00	82	02	82~~1~~	81	83	01	00
	B6	C8	xx	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.

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

Tdoc ⌘T3-030721

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A047** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to channel status event download test case		
Source:	⌘	T3		
Work item code:	⌘	TEI	***Date:*** ⌘	22/08/2003
Category:	⌘	**F**	***Release:*** ⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

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

How to create CRs using this form:

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1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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
1	SIM → ME	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	[EVENT: channel status]
4	ME → SIM	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[command performed successfully]
5	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
6	ME → SIM	FETCH	
7	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.1.1	
8	ME → SS	SETUP CALL	
9	SS → ME	CONNECTED	
10	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.1.1	[Command performed successfully]
11~~1~~	~~NETWORK~~ SS → ME	Link dropped	
12~~2~~	ME → SIM	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: '00'
Device identities
Source device: SIM
Destination device: ME
Event list
Event 1: Channel Status

Coding:

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

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

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:	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

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

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										

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	~~0E~~0B	99	01	09	82	02	82	81	B8	02	01
	05											

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

Tdoc ⌘T3-030722

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A048** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to Get Channel Status test cases	
Source:	⌘	T3	
Work item code:	⌘	TEI	***Date:*** ⌘ 22/08/2003
Category:	⌘	**F**	***Release:*** ⌘ R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘

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

How to create CRs using this form:
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Below is a brief summary:

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2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	PROACTIVE COMMAND PENDING: GET CHANNEL STATUS 1.1.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: GET STATUS 1.1.1	
4	ME → 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
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.2.1	[Immediate link establishment, CSD, 9600bps V.32]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.2.1	[Command performed successfully]
~~1~~7	SIM → ME	PROACTIVE COMMAND PENDING: GET CHANNEL STATUS 1.2.1	
8~~2~~	ME → SIM	FETCH	
~~3~~9	SIM → ME	PROACTIVE COMMAND: GET STATUS 1.2.1	
10~~4~~	ME → SIM	TERMINAL GET STATUS 1.2.1	[Command performed successfully]

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
- 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:	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 1.2.1

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

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										

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:

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 open, link established

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
1	SIM → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.2.1	
2	ME → SIM	FETCH	
3	SIM → ME	PROACTIVE COMMAND: OPEN CHANNEL (immediate) 1.2.1	[Immediate link establishment, CSD, 9600bps V.32]
4	ME → SS	SETUP CALL	
5	SS → ME	CONNECTED	
6	ME → SIM	TERMINAL RESPONSE: OPEN CHANNEL (immediate) 1.2.1	[Command performed successfully]
7	SS → ME	DROP LINK	
~~1~~8	ME → SIM	ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1	[Link dropped]
9~~2~~	SIM → ME	PROACTIVE COMMAND PENDING: GET STATUS 1.3.1	
~~3~~10	ME → SIM	FETCH	
11~~4~~	SIM → ME	PROACTIVE COMMAND: GET STATUS 1.3.1	
12~~5~~	ME → SIM	TERMINAL GET STATUS 1.3.1	[Command performed successfully]

ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1

Logically:

Event list
Event list: Channel Status
Device identities
Source device: ME
Destination device: SIM
Channel status
Channel status: Channel 1, link dropped

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

Coding:

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.

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

Tdoc ⌘T3-030723

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A049** ⌘**rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to CB data download test cases
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change: ⌘

- 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]." Expeceted 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

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

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3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → ME	SMS-CB (DATA DOWNLOAD) 1.2	Message identifier '0C 0C'
2	ME → USER	ME displays message	

SMS-CB (Data Download) Message 1.2

Logically:

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~~
~~Device identities~~
~~Source device: Network~~
~~Destination device: SIM~~
~~Cell Broadcast page~~
~~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~~
~~Number of pages: 1~~
~~Page number: 1~~
~~Content of message: "Cell Broadcast "..~~

~~Coding:~~

~~BER-TLV:~~	~~D2~~	~~5E~~	~~82~~	~~02~~	~~83~~	~~81~~	~~8C~~	~~58~~	~~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~~

27.22.5.2.5 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 ⌘T3-030724

CR-Form-v7

CHANGE REQUEST

⌘ **11.10-4** **CR** **A053** ⌘ **rev** **-** ⌘ Current version: **8.4.0** ⌘

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

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

Title:	⌘	Essential corrections to CALL CONTROL BY SIM (supplementary services) test case
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	22/08/2003
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 *(GSM Phase 2)*
R96 *(Release 1996)*
R97 *(Release 1997)*
R98 *(Release 1998)*
R99 *(Release 1999)*
Rel-4 *(Release 4)*
Rel-5 *(Release 5)*
Rel-6 *(Release 6)*

Reason for change: ⌘

- Test requirement clause is missing in:
  - 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 2.2.1
  - 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:	⌘	• 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 o ENVELOPE CALL CONTROL 2.1.1 o ENVELOPE CALL CONTROL 2.2.1 o ENVELOPE CALL CONTROL 2.3.1 o 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			
Other specs affected:	⌘	**Y**	**N**		
			N	Other core specifications	⌘
			N	Test specifications	
			N	O&M Specifications	
Other comments:	⌘				

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3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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 → 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	ME → SIM	ENVELOPE CALL CONTROL 2.1.1	
3	SIM → ME	90 00	
4	ME → SS	~~The ME sends the supplementary service operation with the information as sent to the SIM~~ REGISTER 2.1	[The ME sends the supplementary service operation with the information as sent to the SIM]
5	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 2.1	

ENVELOPE CALL CONTROL 2.1.1

Logically:

Device identities
- Source device: ME
- Destination device: SIM

~~Address~~SS String
- TON/NPI: "FF"~~Unknown~~
- ~~NIP: "ISDN / telephone numbering plan" or "unknown"~~
- 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~~12	82	02	82	81	89	~~04~~03	~~81~~FF	2A	~~A1~~B1	~~FB~~13
	07~~13~~	00~~07~~	F1~~00~~	10~~F1~~	00~~10~~	01~~00~~	00~~01~~	01~~00~~	~~01~~			

REGISTER 2.1

Logically (only SS argument):

ACTIVATE SS ARGUMENT
SS-Code:
- Call Forwarding Unconditional
TeleserviceCode
- All Tele Services

Coding:

BER-TLV	30	06	04	01	21	83	01	00				

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
SS-Status
- state ind.: operative
- provision ind.: provisioned
- registration ind.: registered
- activation ind.: active

Coding:

BER-TLV	0C	A0	0D	04	01	21	30	08	30	06	83	01
	00	84	01	07								

Expected Sequence 2.2 (CALL CONTROL BY SIM , send SS, allowed without modifications)

Step	Direction	Message / Action	Comments
1	User → 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	ME → SIM	ENVELOPE CALL CONTROL 2.2.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 2.2.1	[Call control result: "Allowed without modifications"]
6	ME → SS	~~The ME sends the supplementary service operation with the information as sent to the SIM~~ REGISTER 2.1	[The ME sends the supplementary service operation with the information as sent to the SIM]
7	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 2.1	

ENVELOPE CALL CONTROL 2.2.1

Logically:

Device identities
Source device: ME
Destination device: SIM
~~Address~~SS String
TON/NPI: "FF"~~Unknown~~
~~NIP: "ISDN / telephone numbering plan" or "unknown"~~
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~~3~~2	82	02	82	81	89	0~~4~~3	~~81~~FF	2A	~~A1~~B1	~~FB~~13
	07~~13~~	00~~07~~	F1~~00~~	10~~F1~~	00~~10~~	01~~00~~	00~~01~~	01~~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 → 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	ME → SIM	ENVELOPE CALL CONTROL 2.3.1	
3	SIM → ME	9F 02	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 2.3.1	[Call control result: "Not Allowed"]
6	ME → 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
~~Address~~SS String
TON/NPI: "FF"~~Unknown~~
~~NIP: "ISDN / telephone numbering plan" or "unknown"~~
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~~3~~2	82	02	82	81	89	0~~4~~3	~~81~~FF	2A	~~A1~~B1	~~FB~~13
	07~~13~~	00~~07~~	F1~~00~~	10~~F1~~	00~~10~~	01~~00~~	00~~01~~	01~~00~~	~~01~~			

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	User → 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	ME → SIM	ENVELOPE CALL CONTROL 2.4.1	
3	SIM → ME	9F 07	
4	ME → SIM	GET RESPONSE	
5	SIM → ME	CALL CONTROL RESULT 2.4.1	[Call control result: "Allowed with modifications"]
6	ME → SS	~~The ME sends the supplementary service operation with the information as sent by the SIM~~REGISTER 2.4	[The ME sends the supplementary service operation with the information as sent by the SIM]
7	SS → ME	RELEASE COMPLETE (SS RETURN RESULT) 2.4	

ENVELOPE CALL CONTROL 2.4.1

Logically:

Device identities

Source device:	ME
Destination device:	SIM

~~Address~~SS String

TON/NPI:	"FF"~~Unknown~~
~~NIP:~~	~~"ISDN / telephone numbering plan" or "unknown"~~
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~~3~~2	82	02	82	81	89	0~~4~~3	~~81~~FF	2A	~~A~~B1	~~FB~~13
	07~~13~~	00~~07~~	F1~~00~~	10~~F1~~	00~~10~~	01~~00~~	00~~01~~	01~~00~~	~~01~~			

CALL CONTROL RESPONSE 2.4.1

Logically:

Call control result Allowed, with modifications
SS String
TON/NPI "FF"~~Unknown~~
~~NIP "ISDN / telephone numbering plan"~~
SS String "*#21#"

Coding:

BER-TLV:	02	06	89	04	~~81~~FF	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	80	01	06						

27.22.6.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.4.