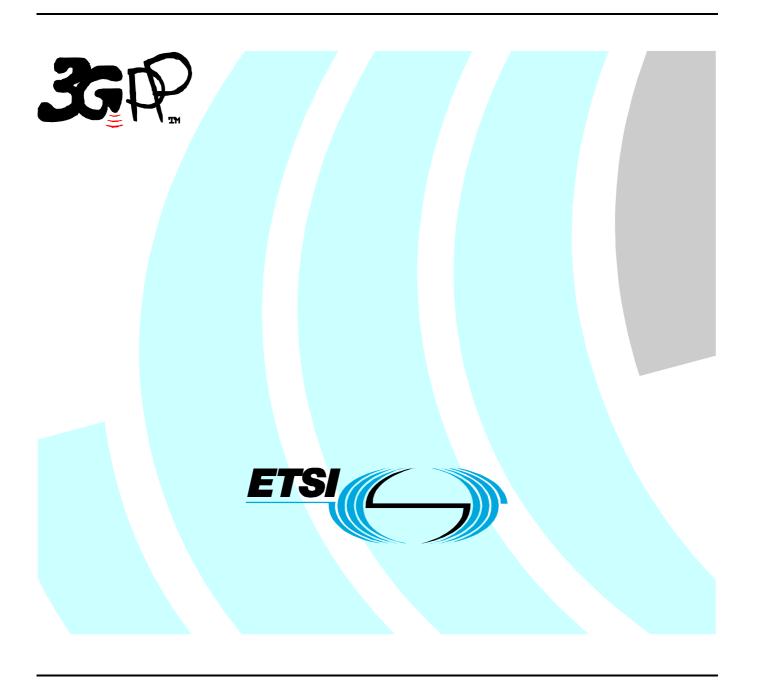
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Foreword

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1 Scope

The present document describes the technical characteristics and methods of test for testing the USIM Application Toolkit implemented in 3rd Generation Mobile Equipments (ME) or Mobile Station (MS) for the 3G and 2G digital cellular communications systems within the 3GPP digital cellular telecommunications system, in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [19] and ETS 300 406 [20].

The present document is valid for ME implemented according to 3GPP Release 99, or Release 4, or Release 5 or Release 6

The present document covers the minimum characteristics considered necessary in order to provide sufficient performance for mobile equipment and to prevent interference to other services or to other users, and to the PLMNs.

It does not necessarily include all the characteristics which may be required by a user or subscriber, nor does it necessarily represent the optimum performance achievable.

The present document is part of the 3GPP-series of technical specifications. The present document neither replaces any of the other 3GPP technical specifications or 3GPP related ETSs or ENs, nor is it created to provide full understanding of (or parts of) the UMTS. The present document lists the requirements, and provides the methods of test for testing the USIM Application Toolkit implemented in a ME for conformance to the 3GPP standard.

For a full description of the system, reference should be made to all the 3GPP technical specifications or 3GPP related ETSIs, ETSs or ENs. Clause 2 provides a complete list of the 3GPP technical specifications, 3GPP related ETSIs, ETSs, ENs, and ETRs, on which this conformance test specifications is based.

If there is a difference between this present conformance document, and any other 3GPP technical specification or 3GPP related ETSI, ETS, EN, or 3GPP TS, then the other 3GPP technical specification or 3GPP related ETSI, ETS, EN or 3GPP TS shall prevail.

Within the context of this document, the term "terminal" used in ETSI TS 102 223 [16] refers to the Mobile Equipment (ME).

Within the context of this document, the term "UICC" used in ETSI TS 102 223 [16] refers to the USIM card.

Within the context of this document, the term "NAA" used in ETSI TS 102 223 [16] refers to the USIM application.

2 References

[19]

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the relevant Release*.
- References to 3GPP Technical Specifications and Technical Reports throughout the present document shall be
 interpreted according to the Release shown in the formal reference in this clause, based upon the Release of the
 implementation under test.

[1]	3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
[2]	3GPP TS 22.001: "Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)".
[3]	3GPP TS 22.003: "Circuit Teleservices supported by a Public Land Mobile Network (PLMN)".
[4]	3GPP TS 22.004: "General on supplementary services".
[5]	ETSI TS 101 220: "ETSI numbering system for telecommunication application providers"
[6]	3GPP TS 21.904: "UE capability requirements"
[7]	3GPP TS 23.038: "Alphabets and language-specific information".
[8]	3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".
[9]	3GPP TS 23.041: "Technical realization of Cell Broadcast Service (CBS)".
[10]	3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core network protocols; Stage 3" (see note 1).
[11]	3GPP TS 24.011: "Point-to-Point (PP) Short Message Service (SMS) Support on mobile radio interface".
[12]	3GPP TS 34.108: "Common test environments for User Equipment (UE) conformance testing".
[13]	ETSI TS 102 221: "UICC-Terminal interface; Physical and logical characteristics".
[14]	3GPP TS 31.102: "Characteristics of the USIM application".
[15]	3GPP TS 31.111: "USIM Application Toolkit (USAT)"
[16]	ETSI TS 102 223: "Smart cards; Card Application Toolkit (CAT)"
[17a]	ISO/IEC 10646-1: "Information technology - Universal Multiple Octet Coded Character Set (UCS) - Part 1: Architecture and Basic Multilingual Plane".
[17b]	ISO/IEC 10646-2: "Information technology - Universal Multiple Octet Coded Character Set (UCS) - Part 2: Supplementary Planes".
[18]	3GPP TS 27.007: "AT command set for 3G User Equipment (UE)".

ISO/IEC 9646-7 (1995): "Information technology - Open Systems Interconnection - Conformance

testing methodology and framework - Part 7: Implementation Conformance Statements".

[20]	ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
[21]	3GPP TS 31.121: "UICC-terminal interface; USIM application test specification"
[22]	3GPP TS 22.101: "Service Aspects; Service principles"
[23]	3GPP TS 51.010-1: "Mobile Station (MS) conformance specification; Part 1: Conformance specification"
[24]	Void.
[25]	TIA/IS-820-A: "Removable User Identity Module (R-UIM) for TIA/EIA Spread Spectrum System".
[26]	ETSI TS 102 384 "Smart cards; UICC-Terminal interface; Card Application Toolkit (CAT) conformance specification".
[27]	3GPP TS 34.123-3: "User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)".
[28]	3GPP TS 31.115: "Secured packet structure for (U)SIM Toolkit applications".

3 Definitions and abbreviations

3.1 Mobile station definition and configurations

The mobile station definition and configurations specified in TS 34.108 [12] shall apply, unless otherwise specified in the present clause.

3.2 Applicability

3.2.1 Applicability of the present document

The present specification applies to a terminal equipment that supports the USIM Application Toolkit optional feature.

3.2.2 Applicability of the individual tests

Table A.1 lists the optional features for which the supplier of the implementation states the support.

3.2.3 Applicability to terminal equipment

The applicability to terminal equipment specified in TS 34.108 [12] shall apply, unless otherwise specified in the present clause.

Within the context of this document, the term "USS" refers to the 'UMTS System Simulator' when accessing a UTRAN and to the 'System Simulator' when accessing a GERAN.

See table B.1.

3.2.4 Definitions

For the purposes of the present document, the terms and definitions given in TS 34.108 [12], , apply.

3.2.4.1 Format of the table of optional features

Option: The optional feature supported or not by the implementation.

Support Answer notation: The support columns shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [19], are used for the support column in the tables below.

Y or y supported by the implementation

N or n not supported by the implementation

N/A, n/a or - no answer required (allowed only if the status is N/A, directly or after evaluation of a conditional

status)

Mnemonic column: The Mnemonic column contains mnemonic identifiers for each item.

3.2.4.2 Format of the applicability table

The applicability of every test in table B.1 is formally expressed by the use of Boolean expression defined in the following clause.

The columns in table B.1 have the following meaning:

- In the "Item" column a local entry number for the requirement in the table is given.
- In the "Description" column a short non-exhaustive description of the requirement is found.
- The "Release" column gives the Release applicable and onwards, for the item in the "Description" column
- The "Test Sequence(s)" column gives a reference to the test sequence number(s) detailed in the present document and required to validate the implementation of the corresponding item in the "Description" column.
- For a given Release, the corresponding "Rel X ME" column lists the tests required for a Mobile Station to be declared compliant to this Release.
- The "Support" column is blank in the proforma, and shall be completed by the manufacturer in respect of each particular requirement to indicate the choices, which have been made in the implementation.
- The "Network Dependency" column indicates if a test depends on specific network access technology or requires network connection, but the status may not have an impact on references to ETSI TS 102 384 [26].
- The "Terminal Profile" column gives a reference to the corresponding bit that needs to be present in the Terminal Profile.

3.2.4.3 Status and notations

"Release X ME" columns show the status of the entries as follows:

The following notations, defined in ISO/IEC 9646-7 [19], are used for the status column:

M mandatory - the capability is required to be supported.

O optional - the capability may be supported or not.

N/A not applicable - in the given context, it is impossible to use the capability.

X prohibited (excluded) - there is a requirement not to use this capability in the given context.

O.i qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies an unique group of related optional items and the logic of their selection which is

defined immediately following the table.

Ci conditional - the requirement on the capability ("M", "O", "X" or "N/A") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax "IF ... THEN (IF ... THEN ... ELSE...) ELSE ..." shall be used to avoid ambiguities.

References to items: For each possible item answer (answer in the support column) there exists a unique reference, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character "/",

followed by the item number in the table. If there is more than one support column in a table, the columns shall be discriminated by letters (a, b, etc.), respectively.

EXAMPLE: A.1/4 is the reference to the answer of item 4 in table A.1.

3.3 Table of optional features

Support of USIM Application Toolkit is optional for Mobile Equipment. However, if an ME states conformance with a specific 3GPP release, it is mandatory for the ME to support all functions of that release, as stated in table B.1.

The support of letter classes, which specify mainly ME hardware dependent features, is optional for the ME and may supplement the USIM Application Toolkit functionality described in the present document. If an ME states conformance to a letter class, it is mandatory to support all functions within the respective letter class.

The supplier of the implementation shall state the support of possible options in table A.1.

Table A.1: Options

Item 1	Option Capability Configuration parameter	Status M	Support	Mnemonic O_Cap_Conf
2	Sustained text	M		O_sust_text
3	UCS2 coding scheme for Entry	0		O_Ucs2_Entry
4	Extended Text String	М		O_Ext_Str
5	Help information	0		O_Help
6	Icons	0		O_lcons
7	Class A: Dual Slot	0		O_Dual_Slot
8	Detachable reader	0		O_Detach_Rdr
9	Class B: RUN AT	0		O_Run_At
10	Class C: LAUNCH BROWSER	0		O_LB
11	Class D: Soft keys	0		O_Soft_key
12	Class E: B.I.P related to CSD	0		O_BIP_CSD
13	Screen sizing parameters	0		O_Scr_Siz
14	Screen Resizing	0		O_Scr_Resiz
15	UCS2 coding scheme for Display	0		O_Ucs2_Disp
16	Mobile supporting GPRS	0		O_GPRS
17	Mobile supporting UDP	0		O_UDP
18	Mobile supporting TCP	0		O_TCP
19	Redial in Set Up Call	0		O_Redial
20	Mobile decision to respond with "No response from user" in finite time	0		O_D_NoResp
21	Class E: B.I.P related to GPRS	0		O_BIP_GPRS
22	Mobile supporting Called Party Subaddress	0		O_CP_Subaddr
23	Immediate response	0		O_lmm_Resp
24	Variable Timeout	0		O_Duration
25	void			
26	Class F: B.I.P related to local bearer	0		O_BIP_Local
27	BlueTooth Support	0		O_BT
28	IrDA Support	0		O_IrDA
29	RS232 Support	0		O_RS232

30	USB Support	0	O_USB
31	WML Browser Support	0	O_WML
32	XHTML Browser Support	0	O_XHTML
33	HTML Browser Support	0	O_HTML
34	CHTML Browser Support	0	O_CHTML
35	Class G: Battery Data	0	O_Batt
36	Class H: Multimedia Call Support	0	O_Xmedia_Call
37	Class I: Frame support	0	O_Frames
38	Class J: Multimedia Messaging Support	0	O_MMS
39	ME requesting for user confirmation before sending the Envelope Call Control command	0	O_UC_Before_Env CC
40	ME requesting for user confirmation after sending the Envelope Call Control command	0	O_UC_After_EnvC C
41	UCS2 in Cyrillic	0	O_UCS2_Cyrillic
42	UCS2 in Chinese	0	O_UCS2_Chinese
43	UCS2 in Katakana	0	O_UCS2_Katakan a
44	Mobile supporting B arred D ialling Numbers	0	O_BDN
45	Mobile supporting Fixed dialling numbers	0	O_FDN
46	Mobile supporting "+CIMI" in combination with Run AT Command	0	O_+CIMI
47	Mobile supporting "+CGMI" in combination with Run AT Command	0	O_+CGMI
48	Mobile supporting Open Channel (GPRS) not containing a Network Access Name TLV when no default Access Point Name is set in the terminal configuration	0	O_Open_Channel_ GPRS_without_De faultAPN
49	Preferred buffer size supported by the terminal for Open Channel command is greater than 0 byte and less than 65535 bytes	0	O_BUFFER_SIZE
50	Text attributes – Alignment left	0	O_TAT_AL
51	Text attributes – Alignment center	0	O_TAT_AC
52	Text attributes – Alignment right	0	O_TAT_AR
53	Text attributes – Font size normal	0	O_TAT_FSN
54	Text attributes – Font size large	0	O_TAT_FSL
55	Text attributes – Font size small	0	O_TAT_FSS
	1	i	l

56	Text attributes – Style normal	0		O_TAT_SN				
57	Text attributes – Style bold	0		O_TAT_SB				
58	Text attributes – Style italic	0		O_TAT_SI				
59	Text attributes – Style underlined	0		O_TAT_SU				
60	Text attributes – Style strikethrough	0		O_TAT_SS				
61	Text attributes – Style text foreground colour	0		O_TAT_STFC				
62	Text attributes – Style text background colour	0		O_TAT_STFB				
63	Terminal supports Long ForwardToNumber	0		O_longFTN				
64	Mobile supporting GERAN	0		O_GERAN				
65	Support of global phonebook	C001		O_Global_PB				
66	HSDPA Support	0		O_HSDPA				
67	UTRAN PS with extended	0		O_UTRAN_PS_Ext				
	parameters Support			_Param				
68	Terminal executes User	0		O_User_Confirm_				
	confirmation phase before sending			Before_PDP_Cont				
	PDP context activation request			ext_Request				
C001 I	C001 If terminal is implemented according to Rel-6 or later then M, else O							

3.4 Applicability table

Table B.1: Applicability of tests

m	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	PROFILE DOWNLOAD 27.22.1	R99	1	М	М	М	М	E.1/1	No	
	Contents of the TERMINAL PROFILE command 27.22.2	R99		М	М	М	М	E.1/1	No	
1	Servicing of Proactive UICC Commands 27.22.3	R99		М	М	М	М			
	DISPLAY TEXT 27.22.4.1									
	Unpacked	R99	1.1	M	M	M	М	E.1/17	No	
	Screen busy	R99	1.2	M	М	M	М	E.1/17	No	
	high priority	R99	1.3	М	М	М	М	E.1/17	No	
	Packed	R99	1.4	M	M	M	M	E.1/17	No	
	clear after delay	R99	1.5	M	M	M	M	E.1/17	No	1
	long text up to 160 bytes Backwards move in USIM	R99 R99	1.6 1.7	M	M M	M	M M	E.1/17 E.1/17	No No	-
	session									
	Session terminated by user	R99	1.8	M	M	M	M	E.1/17	No	
	Command not understood by ME	R99	1.9	M	M	M	M	E.1/17	No	1
	no response from user Extension Text	R99 R99	2.1 3.1	C120 M	C120 M	C120	C120 M	E.1/17 E.1/17	No No	+
	Extension Text	R99	3.1	IVI	IVI	IVI	IVI	AND E.1/16	NO	
	sustained text	R99	4.1, 4.2, 4.3, 4.4	М	М	M	M	E.1/17 AND E.1/65	No, except seq. 4.4	
	Icons	R99	5.1, 5.2, 5.3	C108	C108	C108	C108	E.1/17	No	
	UCS2 display in Cyrillic	R99	6.1	C118	C118	C118	C118	E.1/17 AND E.1/15	No	
	Variable Timeout	Rel-4	7.1	C126	C126	C126	C126	E.1/17 AND E.1/137	No	
	Text attribute – left alignment	Rel-5	8.1			C153	C153	E.1/17 AND E.1/124 AND E.1/217	No	
	Text attribute – center alignment	Rel- 5	8.2			C154	C154	E.1/17 AND E.1/124 AND E.1/218	No	
	Text attribute – right alignment	Rel-5	8.3			C155	C155	E.1/17 AND E.1/124 AND E.1/219	No	
	Text attribute – large font size	Rel-5	8.4			C157 AND C156	C157 AND C156	E.1/17 AND E.1/124 AND E.1/221 AND E.1/220	No	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – small font size	Rel-5	8.5			C158	C158	E.1/17	No	
			0.0			AND	AND	AND		
						C156	C156	E.1/124		
						0100	0100	AND		
								E.1/222		
								AND		
								E.1/220		
	Tool officiants hald an	D-1.5	0.0			0400	0400		NI-	
	Text attribute – bold on	Rel-5	8.6			C160		E.1/17	No	
						AND	AND	AND		
						C159	C159	E.1/124		
								AND		
								E.1/225		
								AND		
								E.1/226		
	Text attribute – italic on	Rel-5	8.7			C161	C161	E.1/17	No	
						AND	AND	AND		
						C159	C159	E.1/124		
								AND		
								E.1/225		
								AND		
								E.1/227		
	Text attribute – underlined on	Dale	0.0			0400	0400		No	-
	lext attribute – underlined on	Rel-5	8.8				C162	E.1/17	NO	
						AND	AND	AND		
						C159	C159	E.1/124		
								AND		
								E.1/225		
								AND		
								E.1/228		
	Text attribute – strikethrough	Rel-5	8.9			C163	C163	E.1/17	No	
	on					AND	AND	AND		
						C159	C159	E.1/124		
						0.00	0.00	AND		
								E.1/225		
								AND		
								E.1/229		
	Tout attribute foreground and	D-1.5	0.40			0404	0404		Na	
	Text attribute – foreground and	Rel-5	8.10				C164	E.1/17	No	
	background colours					AND	AND	AND		
						C165	C165	E.1/124		
								AND		
								E.1/230		
								AND		
								E.1/231		
	UCS2 display in Chinese	R99	9.1			C143	C143	E.1/17	No	
								AND		
								E.1/15		
	UCS2 display in Katakana	R99	10.1			C145	C145	E.1/17	No	
	0002 diopidy in Natakana	1100	10.1			0.40	0140	AND	140	
								E.1/15		
	Гиотого	Dalic	TDD						TDD	
	Frames	Rel-6	TBD					E.1/17	TBD	
								AND		
								E.1/177		
								AND		
		ļ			ļ	ļ	<u> </u>	E.1/178	ļ	<u> </u>
5	GET INKEY 27.22.4.2	ļ			ļ	ļ				<u> </u>
	prompt unpacked	R99	1.1	M	М	M	М	E.1/18	No	
	prompt packed	R99	1.2	М	М	М	М	E.1/18	No	<u> </u>
	digits only	R99	1.1	М	М	М	М	E.1/18	No	
	Backwards move in UICC	R99	1.3	M	М	М	М	E.1/18	No	1
	session				1] =:		
	Session terminated by user	R99	1.4	М	М	М	М	E.1/18	No	
		R99		M	M	M	M	E.1/18	No	+
	SMS alphabet		1.5							1
	Long text up to 160 bytes	R99	1.6	M	M	M	M	E.1/18	No	
1	no response from user	R99	2.1	C120	C120	C120	C120	E.1/18	No	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	UCS2 display in Cyrillic	R99	3.1	C118	C118	C118	C118	E.1/18 AND E.1/15	No	
	UCS2 display, Long text up to 70 chars in Cyrillic	R99	3.2	C118	C118	C118	C118	E.1/18 AND E.1/15	No	
	UCS2 entry in Cyrillic	R99	4.1	C105	C105	C105	C105	E.1/18 AND E.1/14	No	
	"Yes/No" response	R99	5.1	М	М	М	М	E.1/18 AND E.1/60	No	
	Icons	R99	6.1, 6.2, 6.3, 6.4	C108	C108	C108	C108	E.1/18	No	
	Help information	R99	7.1	C107	C107	C107	C107	E.1/18	No	
	Variable Timeout	Rel-4	8.1			C126	C126	E.1/18 AND E.1/140	No	
	Text attribute – left alignment	Rel-5	9.1				C153	E.1/18 AND E.1/124 AND E.1/217	No	
	Text attribute – center alignment	Rel-5	9.2			C154	C154	E.1/18 AND E.1/124 AND E.1/218	No	
	Text attribute – right alignment	Rel-5	9.3			C155	C156	E.1/18 AND E.1/124 AND E.1/219	No	
	Text attribute – large font size	Rel-5	9.4			C157 AND C156	C157 AND C156	E.1/18 AND E.1/124 AND E.1/221 AND E.1/220	No	
	Text attribute – small font size	Rel-5	9.5			C158 AND C156	C158 AND C156	E.1/18 AND E.1/124 AND E.1/222 AND E.1/220	No	
	Text attribute – bold on	Rel-5	9.6			C160 AND C159	C160 AND C159	E.1/18 AND E.1/124 E.1/221 AND E.1/220	No	
	Text attribute – italic on	Rel-5	9.7			C161 AND C159	C161 AND C159	E.1/18 AND E.1/124 E.1/225 AND E.1/227	No	
	Text attribute – underlined on	Rel-5	9.8			C162 AND C159	C162 AND C159	E.1/18 AND E.1/124 E.1/225 AND E.1/228	No	

tem	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – strikethough on	Rel-5	9.9			C163 AND C159	C163 AND C159	E.1/18 AND E.1/124 E.1/225 AND	No	
	Text attribute – foreground and background colours	Rel- 5	9.10			C164 AND C165	C164 And C165	E.1/229 E.1/18 AND E.1/124 AND E.1/230 AND	No	
	UCS2 display in Chinese	R99	10.1			C143	C143	E.1/231 E.1/18 AND E.1/15	No	
	UCS2 display in Chinese, Long text up to 70 chars	R99	10.2			C143	C143	E.1/18 AND E.1/15	No	
	UCS2 entry in Chinese	R99	11.1			C142	C142	E.1/18 AND E.1/14	No	
	UCS2 display in Katakana	R99	12.1			C145	C145	E.1/18 AND E.1/15	No	
	UCS2 display in Katakana, Long text up to 70 chars	R99	12.2			C145	C145	E.1/18 AND E.1/15	No	
	UCS2 entry in Katakana	R99	13.1			C144	C144	E.1/18 AND E.1/14	No	
	Frames	Rel-6	TBD					E.1/18 AND E.1/177 AND E.1/178	TBD	
6	GET INPUT 27.22.4.3							L.1/170		
•	input unpacked	R99	1.1	М	М	М	М	E.1/19	No	
	input packed	R99	1.2	M	M	M	M	E.1/19	No	1
	digits only	R99	1.1	M	M	M	M	E.1/19	No	
	SMS alphabet	R99	1.3	M	M	M	M	E.1/19	No	1
	hidden input	R99	1.4	М	М	М	М	E.1/19	No	1
	min / max acceptable length	R99	1.5, 1.9	M	М	M	М	E.1/19	No	
	Backwards move in UICC session	R99	1.6	М	М	М	М	E.1/19	No	
	Session terminated by user	R99	1.7	M	M	M	М	E.1/19	No	
	Prompt text up to 160 bytes SMS default alphabet, ME to echo text, packing not required	R99 R99	1.8 1.9	M	M	M	M	E.1/19 E.1/19	No No	
	Null length for the text string	R99	1.10	М	М	М	М	E.1/19	No	
	no response from user	R99	2.1		C120		C120	E.1/19	No	
	UCS2 display in Cyrillic	R99	3.1, 3.2			C118		E.1/19 AND E.1/15	No	
	UCS2 entry in Cyrillic	R99	4.1, 4.2	C105	C105	C105	C105	E.1/19 AND E.1/14	No	
	default text for the input	R99	5.1, 5.2	М	М	М	М	E.1/14 E.1/19	No	
	icons	R99	6.1, 6.2, 6.3, 6.4		C108		C108	E.1/19	No	
	help information	R99	7.1	C107	C107	C107	C107	E.1/19	No	1

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute– left alignment	Rel-5	8.1			C153	C153	E.1/19 AND E.1/124 AND E.1/217	No	
	Text attribute – center alignment	Rel-5	8.2			C154	C145	E.1/19 AND E.1/124 AND E.1/218	No	
	Text attribute – right alignment	Rel-5	8.3			C155	C155	E.1/19 AND E.1/124 AND E.1/219	No	
	Text attribute – large font size	Rel-5	8.4			C157 AND C156	C157 AND C156	E.1/19 AND E.1/124 AND E.1/221 AND E.1/220	No	
	Text attribute – small font size	Rel-5	8.5			C158 AND C156	C158 AND C156	E.1/19 AND E.1/124 AND E.1/222 AND E.1/220	No	
	Text attribute – bold on	Rel-5	8.6			C160 AND C159	C160 AND C159	E.1/19 AND E.1/124 AND E.1/225 AND E.1/226	No	
	Text attribute – italic on	Rel-5	8.7			C161 AND C159	C161 AND C159	E.1/19 AND E.1/124 AND E.1/225 AND E.1/227	No	
	Text attribute – underlined on	Rel-5	8.8			C162 AND C159	C162 AND C159	E.1/19 AND E.1/124 AND E.1/225 AND E.1/228	No	
	Text attribute – strikethrough on	Rel-5	8.9			C163 AND C159	C163 AND C159	E.1/19 AND E.1/124 AND E.1/225 AND E.1/229	No	
	Text attribute – foreground and background colours	Rel-5	8.10			C164 AND C165	C164 AND C165	E.1/19 AND E.1/124 AND E.1/230 AND E.1/231	N o	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	UCS2 display in Chinese	R99	9.1, 9.2			C143	C143	E.1/19 AND E.1/15	No	
	UCS2 entry in Chinese	R99	10.1, 10.2			C142	C142	E.1/19 AND E.1/14	No	
	UCS2 display in Katakana	R99	11.1, 11.2			C145	C145	E.1/19 AND E.1/15	No	
	UCS2 entry in Katakana	R99	12.1, 12.2			C144	C144	E.1/19 AND E.1/14	No	
	Frames	Rel-6	TBD					E.1/19 AND E.1/177 AND E.1/178	TBD	
7	MORE TIME 27.22.4.4 PLAY TONE 27.22.4.5	R99	1.1	М	М	М	M	E.1/20	No	
	play all tones	R99	1.1	M	M	M	М	E.1/21	Yes	
	display alpha	R99	1.1	M	М	M	М	E.1/21	Yes	
	user termination	R99	1.1	M	M	M	М	E.1/21	Yes	
	superimpose	R99	1.1	M	M	M	М	E.1/21	Yes	
	UCS2 display in Cyrillic	R99	2.1	C118	C118	C118	C118	E.1/21 AND E.1/15	No	
	icons	R99	3.1, 3.2,3.3, 3.4	C108	C108	C108	C108	E.1/21	No	
	Text attribute – left alignment	Rel-5	4.1			C153	C153	E.1/21 AND E.1/124 AND E.1/217	No	
	Text attribute – center alignment	Rel-5	4.2			C154	C154	E.1/21 AND E.1/124 AND E.1/218	No	
	Text attribute – right alignment	Rel-5	4.3			C155	C155	E.1/21 AND E.1/124 AND E.1/219	No	
	Text attribute – large font size	Rel-5	4.4			C157 AND C156	C157 AND C156	E.1/21 AND E.1/124 AND E.1/221 AND E.1/220	No	
	Text attribute – small font size	Rel-5	4.5			C158 AND C156	C158 AND C156	E.1/21 AND E.1/124 AND E.1/222 AND	No	
	Text attribute – bold on	Rel-5	4.6			C160 AND C159	C160 AND C159	E.1/220 E.1/21 AND E.1/124 AND E.1/225 AND E.1/226	No	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – italic on	Rel-5	4.7			C161 AND C159	C161 AND C159	E.1/21 AND E.1/124 AND E.1/225 AND	No	
	Text attribute – underlined on	Rel-5	4.8			C162 AND C159	C162 AND C159	E.1/227 E.1/21 AND E.1/124 AND E.1/225 AND E.1/228	No	
	Text attribute – strikethrough on	Rel-5	4.9			C163 AND C159	C163 AND C159	E.1/21 AND E.1/124 AND E.1/225 AND E.1/229	No	
	Text attribute– foreground and background colours	Rel-5	4.10			C164 AND C165	C164 AND C165	E.1/21 AND E.1/124 AND E.1/230 AND E.1/231	No	
	UCS2 display in Chinese	R99	5.1			C143	C143	E.1/21 AND E.1/15	No	
	UCS2 display in Katakana	R99	6.1			C145	C145	E.1/21 AND E.1/15	No	
	Frames	Rel-6	TBD					E.1/21 AND E.1/177 AND E.1/178	TBD	
	Themed and Melody tones	Rel-6	TBD					E.1/21	TBD	
9	POLL INTERVAL 27.22.4.6									
	duration	R99	1.1	М	M	M	М	E.1/22	No	
10	REFRESH 27.22.4.7 USIM initialization, enabling FDN mode	R99	1.1	C146	C146	C146	C146	E.1/24	Yes	
	file change notification of FDN file	R99	1.2	C146			C146	E.1/24	Yes	
	USIM initialization and file change notification of ADN	R99	1.3 1.4	C168	C168	C168	M	E.1/24 E.1/24	No Yes	
	USIM initialization and full file change notification, enabling FDN mode	R99	1.4	C146	C146	C146	C146	E.1/24	res	
	UICC reset	R99	1.5				М	E.1/24	No	
	USIM Initialization after SMS- PP data download	R99	1.6	C146	C146	C146	C146	E.1/24	Yes	
	USIM Application Reset	R99	1.7		1		C146	E1/24	Yes	
	UICC Reset for IMSI Changing procedure	R99	2.1				B 4	E 4/04	TBD	
	USIM Application Reset for IMSI Changing procedure 3G Session Reset for IMSI	R99	2.2				М	E.1/24	Yes	
	Changing procedure reject 3G Session Reset for IMSI	R99 R99	2.3				M	E 1/24	TBD Yes	
	Changing procedure during call	1133	Z. '1				IVI	∟ I/Z 4	162	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
11	SET UP MENU 27.22.4.8									
	Set up, menu selection, replace and remove menu	R99	1.1	М	М	М	М	E.1/30 AND E.1/4	No	
	Large menu	R99	1.2	М	М	М	М	E.1/30 AND E.1/4	No	
	help information	R99	2.1	C107	C107	C107	C107	E.1/30 AND E.1/4	No	
	next action indicator	R99	3.1	М	М	М	М	E.1/30	No	
	Icons	R99	4.1, 4.2	C108	C108	C108	C108	E.1/30	No	
	soft key access	R99	5.1	C112	C112	C112	C112	E.1/30 AND E.1/74	No	
	Text attribute – left alignment	Rel-5	6.1			C153	C153	E.1/30 AND E.1/124 AND E.1/217	No	
	Text attribute – center alignment	Rel-5	6.2			C154	C154	E.1/30 AND E.1/124 AND E.1/218	No	
	Text attribute – right alignment	Rel-5	6.3			C155	C155	E.1/30 AND E.1/124 AND E.1/219	No	
	Text attribute – large font size	Rel-5	6.4			C157 AND C156	C157 AND C156	E.1/30 AND E.1/124 AND E.1/221 AND E.1/220	No	
	Text attribute – small font size	Rel-5	6.5			C158 AND C156	C158 AND C156	E.1/30 AND E.1/124 AND E.1/222 AND E.1/220	No	
	Text attribute – bold on	Rel-5	6.6			C160 AND C159	C160 AND C159	E.1/30 AND E.1/124 AND E.1/225 AND E.1/226	No	
	Text attribute – italic on	Rel-5	6.7			C161 AND C159	C161 AND C159	E.1/30 AND E.1/124 AND E.1/225 AND E.1/227	No	
	Text attribute – underlined on	Rel-5	6.8			C162 AND C159	C162 AND C159	E.1/227 E.1/30 AND E.1/124 AND E.1/225 AND E.1/228	No	

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Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – strikethrough on	Rel-5	6.9			C163 AND C159	C163 AND C159	E.1/30 AND E.1/124 AND E.1/225 AND E.1/229	No	
	Text attribute – foreground and background colours	Rel-5	6.10			C164 AND C165	C164 AND C165	E.1/30 AND E.1/124 AND E.1/230 AND E.1/231	No	
	UCS2 display in Cyrillic	R99	7.1			C118	C118	E.1/39 AND E.1/15	No	
	UCS2 display in Chinese	R99	8.1			C143	C143	E.1/39 AND E.1/15	No	
	UCS2 display in Katakana	R99	9.1			C145	C145	E.1/39 AND E.1/15	No	
12	SELECT ITEM 27.22.4.9									
	Mandatory features Large menu	R99 R99	1.1	M	M	M	M	E.1/25 E.1/25	No No	
		Doo	1.5,1.6					E 4/05		
	Backwards move user termination	R99	1.4	M M	M M	M	M	E.1/25 E.1/25	No No	-
	next action indicator	R99 R99	1.5 2.1	M	M	M	M	E.1/25 E.1/25	No	-
	default selected item	R99	3.1	M	M	M	M	E.1/25 E.1/25	No	
	help information	R99	4.1		C107	C107	C107	E 1/25	No	1
	icons	R99	5.1, 5.2		C107	C107	C107	E.1/25	No	
	Presentation style	R99	6.1, 6.2	M	M	M	M	E.1/25	No	
	Soft keys	R99	7.1		C112			E.1/25 AND E.1/73	No	
	No Response from user	R99	8.1	C120	C120	C120	C120	E.1/25	No	
	Text attribute – left alignment	Rel-5	9.1			C153	C153	E.1/25 AND E.1/124 AND E.1/217	No	
	Text attribute – center alignment	Rel-5	9.2			C154	C154	E.1/25 AND E.1/124 AND E.1/218	No	
	Text attribute – right alignment	Rel-5	9.3			C155	C155	E.1/25 AND E.1/124 AND E.1/219	No	
	Text attribute – large font size	Rel-5	9.4			C157 AND C156	C157 AND C156	E.1/25 AND E.1/124 AND E.1/221 AND E.1/220	No	

Item	Description	Re- leas	Test sequence	Rel 99	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
		е	(s)	ME						
	Text attribute – small font size	Rel-5	9.5			C158 AND C156	C158 AND C156	E.1/25 AND E.1/124 AND E.1/222 AND	No	
	Text attribute – bold on	Rel-5	9.6			C160 AND C159	C160 AND C159	E.1/220 E.1/25 AND E.1/124 AND E.1/225 AND E.1/226	No	
	Text attribute – italic on	Rel-5	9.7			C161 AND C159	C161 AND C159	E.1/25 AND E.1/124 AND E.1/225 AND E.1/227	No	
	Text attribute – underline on	Rel-5	9.8			C162 AND C159	C162 AND C159	E.1/25 AND E.1/124 AND E.1/225 AND E.1/228	No	
	Text attribute – strikethrough on	Rel-5	9.9			C163 AND C159	C163 AND C159	E.1/25 AND E.1/124 AND E.1/225 AND E.1/229	No	
	Text attribute – foreground and background colours	Rel-5	9.10			C164 AND C165	C164 AND C165	E.1/25 AND E.1/124 AND E.1/230 AND E.1/231	No	
	UCS2 display in Cyrillic	R99	10.1, 10.2, 10.3			C118	C118	E.1/39 AND E.1/15	No	
	UCS2 display in Chinese	R99	11.1			C143	C143	E.1/25 AND E.1/15	No	
	UCS2 display in Katakana	R99	12.1, 12.2, 12.3			C145	C145	E.1/25 AND E.1/15	No	
	Frames	Rel-6	TBD					E.1/25 AND E.1/177 AND E.1/178	TBD	
13	SEND SMS 27.22.4.10 Packing not required	R99	1.1, 1.3	M	М	М	M	E.1/26	Yes	
	De altin a va avitra d	Doo	1.5	B 4	N 4	B 4	B 4	E 4/00	V	
	Packing required 8 bit data	R99 R99	1.2, 1.4 1.1, 1.2	M	M M	M M	M M	E.1/26 E.1/26	Yes Yes	
	SMS default alphabet	R99	1.3, 1.4, 1.5	М	М	М	М	E.1/26	Yes	
	160 bytes length	R99	1.4, 1.5	М	М	М	М	E.1/26	Yes	

m	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Alpha identifier	R99	1.6, 1.7, 1.8	М	М	М	М	E.1/26	Yes	
	UCS2 SMS in Cyrillic	R99	2.1	C118	C118	C118	C118	E.1/26 AND E.1/15	Yes	
	icons Text attribute– left alignment	R99 Rel-5	3.1, 3.2 4.1	C108	C108	C108 C153	C108 C153	E.1/26 E.1/26 AND E.1/124 AND E.1/217	Yes Yes	
	Text attribute – center alignment	Rel-5	4.2			C154	C154	E.1/26 AND E.1/124 AND E.1/218	No	
	Text attribute – right alignment	Rel-5	4.3			C155	C155	E.1/26 AND E.1/124 AND E.1/219	No	
	Text attribute – large font size	Rel-5	4.4			C157 AND C156	C157 AND C156	E.1/26 AND E.1/124 AND E.1/221 AND E.1/220	No	
	Text attribute – small font size	Rel-5	4.5			C158 AND C156	C158 AND C156	E.1/26 AND E.1/124 AND E.1/222 AND E.1/220	No	
	Text attribute – bold on	Rel-5	4.6			C160 AND C159	C160 AND C159	E.1/26 AND E.1/124 AND E.1/225 AND E.1/226	No	
	Text attribute – italic on	Rel-5	4.7			C161 AND C159	C161 AND C159	E.1/26 AND E.1/124 AND E.1/225 AND E.1/227	No	
	Text attribute – underline on	Rel-5	4.8			C162 AND C159	C162 AND C159	E.1/26 AND E.1/124 AND E.1/225 AND E.1/228	No	
	Text attribute- strikethrough on	Rel-5	4.9			C163 AND C159	C163 AND C159	E.1/26 AND E.1/124 AND E.1/225 AND E.1/229	No	

em	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – foreground and background colours	Rel-5	4.10			C164 AND C165	C164 AND C165	E.1/26 AND E.1/124 AND E.1/230 AND E.1/231	No	
	UCS2 display in Chinese	R99	5.1			C143	C143	E.1/26 AND E.1/15	Yes	
	UCS2 display in Katakana	R99	6.1			C145	C145	E.1/26 AND E.1/15	Yes	
	Frames	Rel-6	TBD					E.1/26 AND E.1/177 AND E.1/178	TBD	
14	SEND SS 27.22.4.11 call forward unconditional, all bearers, successful	R99	1.1	C166	C166	C166	C166	E.1/27	Yes	
	call forward unconditional, all bearers, Return Error	R99	1.2	М	М	М	М	E.1/27	Yes	
	call forward unconditional, all bearers, Reject	R99	1.3	М	М	М	М	E.1/27	Yes	
	call forward unconditional, all bearers, successful, SS request size limit	R99	1.4	C166	C166	C166	C166	E.1/27	Yes	
	interrogate CLIR status, successful, alpha identifier limits	R99	1.5	М	М	М	М	E.1/27	Yes	
	call forward unconditional, all bearers, successful, null data alpha identifier	R99	1.6		C166			E.1/27	Yes	
	call forward unconditional, all bearers, successful, icon support	R99	2.1, 2.2, 2.3, 2.4	C108	C108	C108	C108	E.1/27	Yes	
	UCS2 display in Cyrillic	R99	3.1	C118	C118			E.1/27 AND E.1/15	Yes	
	Text attribute – left alignment	Rel-5	4.1			AND	C153 AND C166	E.1/27 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel-5	4.2			AND	C154 AND C166	E.1/27 AND E.1/124 AND E.1/218	Yes	
	Text attribute – right alignment	Rel- 5	4.3			AND	C155 AND C166	E.1/27 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel- 5	4.4			AND C156 AND	C157 AND C156 AND C166	E.1/27 AND E.1/124 AND E.1/221 AND E.1/220	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – small font size	Rel- 5	4.5	WIL		C158 AND C156 AND C166	C158 AND C156 AND C166	E.1/27 AND E.1/124 AND E.1/222 AND	Yes	
	Text attribute – bold on	Rel- 5	4.6			C160 AND C159 AND C166	C160 AND C159 AND C166	E.1/220 E.1/27 AND E.1/124 AND E.1/225 AND	Yes	
	Text attribute – italic on	Rel- 5	4.7			C161 AND C159 AND C166	C161 AND C159 AND C166	E.1/226 E.1/27 AND E.1/124 AND E.1/225 AND E.1/227	Yes	
	Text attribute – underline on	Rel- 5	4.8			C162 AND C159 AND C166	C162 AND C159 AND C166	E.1/27 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel- 5	4.9			C163 AND C159 AND C166	C163 AND C159 AND C166	E.1/27 AND E.1/124 AND E.1/225 AND E.1/229	Yes	
	Text attribute – foreground and background colours	Rel- 5	4.10			C164 AND C165 AND C166	C164 AND C165 AND C166	E.1/27 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	UCS2 display in Chinese	R99	5.1			AND C166	C143 AND C166	E.1/27 AND E.1/15	Yes	
	UCS2 display in Katakana	R99	6.1			C145 AND C166	C145 AND C166	E.1/27 AND E.1/15	Yes	
15	SEND USSD 27.22.4.12			L	L	L			ļ	
	7-bit data, successful	R99	1.1	M	M	M	M	E.1/28	Yes	
	8-bit data, successful	R99	1.2	M	M	M	M	E.1/28	Yes	
	UCS2 data, successful 7-bit data, unsuccessful	R99 R99	1.3 1.4	M M	M M	M M	M M	E.1/28 E.1/28	Yes Yes	
	7-bit data, unsuccessful	R99	1.5	M	M	M	M	E.1/28	Yes	
	256 octets, 7-bit data, successful, long alpha identifier	R99	1.6	М	М	М	М	E.1/28	Yes	
	7-bit data, successful, no alpha identifier 7-bit data, successful, null length	R99 R99	1.7	M	M	M	M	E.1/28 E.1/28	Yes Yes	
	alpha identifier licons	R99	2.1, 2.2,	C108	C108	C108	C108	E.1/28	Yes	
	UCS2 in Cyrillic	R99	2.3, 2.4		C118		C118	E.1/28	Yes	
								AND E.1/15		

m	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – left alignment	Rel-5	4.1			C153	C153	E.1/28 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel-5	4.2			C154	C154	E.1/28 AND E.1/124 AND E.1/218	Yes	
	Text attribute – right alignment	Rel-5	4.3			C155	C155	E.1/28 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel-5	4.4			C157 AND C156	C157 AND C156	E.1/28 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel-5	4.5			C158 AND C156	C158 AND C156	E.1/28 AND E.1/124 AND E.1/222 AND E.1/220	Yes	
	Text attribute – bold on	Rel-5	4.6			C160 AND C159	C160 AND C159	E.1/28 AND E.1/124 AND E.1/225 AND E.1/226	Yes	
	Text attribute – italic on	Rel-5	4.7			C161 AND C159	C161 AND C159	E.1/28 AND E.1/124 AND E.1/225 AND E.1/227	Yes	
	Text attribute – underline on	Rel-5	4.8			C162 AND C159	C162 AND C159	E.1/28 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel-5	4.9			C163 AND C159	C163 AND C159	E.1/28 AND E.1/124 AND E.1/225 AND E.1/229	Yes	
	Text attribute – foreground and background colours	Rel-5	4.10			C164 AND C165	C164 AND C165	E.1/28 AND E.1/124 AND E.1/230 AND E.1/231	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	UCS2 in Chinese	R99	5.1			C143	C143	E.1/28 AND E.1/15	Yes	
	UCS2 in Katakana	R99	6.1			C145	C145	E.1/28 AND E.1/15	Yes	
16	SET UP CALL 27.22.4.13									
	Call confirmed by the user and connected	R99	1.1	М	М	М	М	E.1/29	Yes	
	call rejected by the user	R99	1.2	M	М	М	M	E.1/29	Yes	
	void							E.1/29		
	putting all other calls on hold, ME busy	R99	1.4	М	М	М	М	E.1/29	Yes	
	disconnecting all other calls, ME busy	R99	1.5	М	М	М	М	E.1/29	Yes	
	only if not currently busy on another call, ME busy	R99	1.6	M	М	M	М	E.1/29	Yes	
	putting all other calls on hold, call hold is not allowed	R99	1.7	M	M	M	M	E.1/29	Yes	
	Capability configuration	R99	1.8	C101	C101	C101	C101	E.1/29	Yes	
	long dialling number string	R99	1.9	M	M	M	M	E.1/29	Yes	
	long first alpha identifier	R99	1.10	М	М	М	М	E.1/29	Yes	
	Called party subaddress	R99	1.11	C124	C124		C124	E.1/29	Yes	
	maximum duration for the redial mechanism	R99	1.12	C119	C119	C119	C119	E.1/29	Yes	
	second alpha identifier	R99	2.1	M	M	M	М	E.1/29 AND E.1/63	Yes	
	icons	R99	3.1,3.2, 3.3, 3.4	C108	C108	C108	C108	E.1/29	Yes	
	Text attribute – left alignment	Rel-5	4.1			C153	C153	E.1/29 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel-5	4.2			C154	C154	E.1/29 AND E.1/124 AND E.1/218	Yes	
	Text attribute – right alignment	Rel-5	4.3				C155	E.1/29 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel-5	4.4			C157 AND C156	C157 AND C156	E.1/29 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel-5	4.5			C158 AND C156	C158 AND C156	E.1/29 AND E.1/124 AND E.1/222 AND E.1/220	Yes	

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Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – bold on	Rel-5	4.6			C160 AND C159	C160 AND C159	E.1/29 AND E.1/124 AND E.1/225 AND	Yes	
	Text attribute – italic on	Rel-5	4.7			C161 AND C159	C161 AND C159	E.1/226 E.1/29 AND E.1/124 AND	Yes	
	Text attribute – underline on	Rel-5	4.8			C162	C162	E.1/225 AND E.1/227 E.1/29	Yes	
						AND C159	AND C159	AND E.1/124 AND E.1/225 AND E.1/228		
	Text attribute – strikethrough on	Rel-5	4.9			C163 AND C159	C163 AND C159	E.1/29 AND E.1/124 AND E.1/225 AND E.1/229	Yes	
	Text attribute – foreground and background colours	Rel-5	4.10			C164 AND C165	C164 AND C165	E.1/29 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	UCS2 Display in Cyrillic	R99	5.1, 5.2.			C118	C118	E.1/29 AND E.1/15	Yes	
	UCS2 display in Chinese	R99	6.1, 6.2			C143	C143	E.1/29 AND E.1/15	Yes	
	UCS2 display in Katakana	R99	7.1, 7.2			C145	C145	E.1/29 AND E.1/15	Yes	
	Frames	Rel-6	TBD					E.1/29 AND E.1/177 AND E.1/178	TBD	
17 18	POLLING OFF 27.22.4.14 PROVIDE LOCAL INFO 27.22.4.15	R99	1.1	M	M	M	M	E.1/23	Yes	
	location information	R99	1.1	М	М	М	М	E.1/31	Yes	
	IMEI network measurement results and BCCH channel list	R99 R99	1.2	M C167	M C167	M C167	M C167	E.1/31 E.1/32 AND	Yes System Simulator only	
	Date, time and time zone	R99	1.4	M	M	M	М	E.1/67 E.1/59	No	
	language setting	R99	1.5	M	M	M	M	E.1/68	No	
	Timing advance	R99	1.6		C167		C167	E.1/69	System Simulator only	
			. 17	i .	1 1/1	1 N/I	M	L 1/79	V 00	i
	Access Technology Void	Rel-4	1.7		IVI	IVI	IVI	L.1/12	Yes	

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Item	Description	Re- leas	Test sequence	Rel 99	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Caarah Mada Channa	e Del C	(s)	ME				E 4/4.4.4	TDD	
	Search Mode Change	Rel-6	1.10				C120	E.1/144 E.1/170	TBD	
	Charge State of the Battery UTRAN measurements	Rel-6	1.11 1.12				C139 M	E.1/170 E.1/183	No	
		Rei-o	1.12				IVI	E.1/103	System Simulator only	
19	SET UP EVENT LIST 27.22.4.16									
	Set up call connected event	R99	1.1	М	М	M	М	E.1/33 AND E.1/35	Yes	
	Replace by new event list	R99	1.2	М	M	М	М	E.1/33 AND E.1/35 AND E.1/36	Yes	
	Remove event	R99	1.3	М	М	М	М	E.1/33 AND E.1/35	Yes	
	Remove Event on ME Power Cycle	R99	1.4	М	М	М	М	E.1/33 AND E.1/35	Yes	
20	PERFORM CARD APDU 27.22.4.17									
	Additional card inserted, Select MF and Get Response	R99	1.1	C109	C109	C109	C109	E.1/51	No	
	Additional card inserted, Select DF GSM, Select EF PLMN, Update Binary, Read Binary on EF PLMN	R99	1.2	C109	C109	C109	C109	E.1/51	No	
	Additional card inserted, card powered off	R99	1.3	C109	C109	C109	C109	E.1/51	No	
	No card inserted, card powered off	R99	1.4	C109	C109	C109	C109	E.1/51	No	
	Invalid card reader identifier	R99	1.5	C109		C109	C109	E.1/51	No	
	Detachable reader	R99	2.1	C116	C116	C116	C116	E.1/51	No	
21	POWER OFF CARD 27.22.4.18									
	Additional card inserted	R99	1.1	C109	C109	C109	C109	E.1/50	No	
	No card inserted	R99	1.2	C109	C109	C109	C109	E.1/50	No	
	Detachable reader	R99	2.1	C116	C109	C109	C109	E.1/50	No	
22	POWER ON CARD 27.22.4.19			0	0		0.155	=		
	Additional card inserted	R99	1.1		C109		C109	E.1/49	No	
	No ATR	R99	1.2				C109	E.1/49	No	
	No card inserted Detachable reader	R99	1.3		C109 C116		C109	E.1/49 E.1/49	No	
23	GET READER STATUS 27.22.4.20	R99	2.1	0110	0110	0110	C116	⊑.1/ 4 9	No	
	Additional card inserted, card powered	R99	1.1	C109	C109	C109	C109	E.1/52	No	
	Additional card inserted, card not powered	R99	1.2	C109	C109	C109	C109	E.1/52	No	
	Additional card inserted, card not present	R99	1.3	C109	C109	C109	C109	E.1/52	No	
	Detachable reader	R99	2.1	C116	C116	C116	C116	E.1/52	No	
24	TIMER MANAGEMENT 27.22.4.21.1									
	Start timer 1 several times, get the current value of the timer and deactivate the timer successfully	R99	1.1	М	М	М	М	E.1/57 AND E.1/58	No	
	Start timer 2 several times, get the current value of the timer and deactivate the timer successfully	R99	1.2	М	М	М	М	E.1/57 AND E.1/58	No	
	Start timer 8 several times, get the current value of the timer and deactivate the timer successfully	R99	1.3	М	М	М	М	E.1/57 AND E.1/58	No	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Try to get the current value of a timer which is not started: action in contradiction with the current timer state	R99	1.4	М	М	М	М	E.1/57 AND E.1/58	No	
	Try to deactivate a timer which is not started: action in contradiction with the current timer state	R99	1.5	М	М	M	M	E.1/57 AND E.1/58	No	
	Start 8 timers successfully	R99	1.6	М	M	M	М	E.1/57 AND E.1/58	No	
25	ENVELOPE TIMER EXPIRATION 27.22.4.21.2									
	Pending proactive UICC command	R99	2.1	М	М	М	М	E.1/6 AND E.1/57	No	
	USIM application toolkit busy	R99	2.2	M	M	M	M	E.1/6 AND E.1/57 AND E.1/20	No	
26	SET UP IDLE MODE TEXT 27.22.4.22									
	Display idle mode text	R99	1.1	M	М	M	М	E.1/61 AND E.1/33 AND E.1/39	Yes	
	Replace idle mode text	R99	1.2	M	M	M	М	E.1/61 AND E.1/33 AND E.1/39	Yes	
	Remove idle mode test	R99	1.3	М	M	M	М	E.1/61 AND E.1/33 AND E.1/39	Yes	
	Competing information on ME display	R99	1.4	M	M	M	М	E.1/61 AND E.1/33 AND E.1/39	Yes	
	ME powered cycled	R99	1.5	M	M	M	М	E.1/61 AND E.1/33 AND E.1/39	Yes	
	Refresh with USIM initialization	R99	1.6	М	М	М	М	E.1/61 AND E.1/24 AND E.1/33 AND E.1/39	Yes	
	Large text string	R99	1.7	М	M	M	M	E.1/61 AND E.1/33 AND E.1/39	Yes	
	Icons	R99	2.1, 2.2, 2.3, 2.4	C108	C108	C108	C108	E.1/61 AND E.1/39	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	UCS2 display in Cyrillic	R99	3.1	C118	C118	C118	C118	E.1/61 AND E.1/15 AND E.1/39	Yes	
	Text attribute – left alignment	Rel-5	4.1				C153	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel-5	4.2			C154	C154	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/218	Yes	
	Text attribute – right alignment	Rel-5	4.3			C155	C155	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel-5	4.4			C157 AND C156	C157 AND C156	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel-5	4.5			C158 AND C156	C158 AND C156	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/222 AND E.1/220	Yes	
	Text attribute – bold on	Rel-5	4.6			C160 AND C159	C160 AND C159	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/225 AND E.1/225	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – italic on	Rel-5	(s) 4.7			C161 AND C159	C161 AND C159	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/225 AND E.1/227	Yes	
	Text attribute – underline on	Rel-5	4.8			C162 AND C159	C162 AND C159	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel-5	4.9			C163 AND C159	C163 AND C159	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/225 AND E.1/229	Yes	
	Text attribute – foreground and background colours	Rel-5	4.10			C164 AND C165	C164 AND C165	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	UCS2 display in Chinese	R99	5.1			C143	C143	E.1/61 AND E.1/15 AND E.1/39	Yes	
	UCS2 display in Katakana	R99	6.1			C145	C145	E.1/61 AND E.1/15 AND E.1/39	Yes	
	Frames	Rel-6	TBD					E.1/61 AND E.1/177 AND E.1/178	TBD	
27	RUN AT COMMAND 27.22.4.23									
	No alpha Identifier	R99	1.1			C110		E.1/62	No	
	null data alpha identifier presented	R99	1.2	C110	C110	C110	C110	E.1/62	No	
	alpha identifier presented	R99	1.3	C110	C110	C110	C110	E.1/62	No	
								v_		1

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Icons	R99	2.1, 2.2, 2.3, 2.4, 2.5	C114	C114	C114		E.1/62	No	
	Text attribute – left alignment	Rel-5	3.1			C110 AND C153	C110 AND C153	E.1/62 AND E.1/124 AND E.1/217	No	
	Text attribute – center alignment	Rel-5	3.2			C110 AND C154	C110 AND C154	E.1/62 AND E.1/124 AND E.1/218	No	
	Text attribute – right alignment	Rel-5	3.3			C110 AND C155	C110 AND C155	E.1/62 AND E.1/124 AND E.1/219	No	
	Text attribute – large font size	Rel-5	3.4			C110 AND C157 AND C156	C110 AND C157 AND C156	E.1/62 AND E.1/124 AND E.1/221 AND E.1/220	No	
	Text attribute – small font size	Rel-5	3.5			C110 AND C158 AND C156	C110 AND C158 AND C156	E.1/62 AND E.1/124 AND E.1/222 AND E.1/220	No	
	Text attribute – bold on	Rel-5	3.6			C110 AND C160 AND C159	C110 AND C160 AND C159	E.1/62 AND E.1/124 AND E.1/225 AND E.1/226	No	
	Text attribute – italic on	Rel-5	3.7			C110 AND C161 AND C159	C110 AND C161 AND C159	E.1/62 AND E.1/124 AND E.1/225 AND E.1/227	No	
	Text attribute – underline on	Rel-5	3.8			C110 AND C162 AND C159	C110 AND C162 AND C159	E.1/62 AND E.1/124 AND E.1/225 AND E.1/228	No	
	Text attribute – strikethrough on	Rel-5	3.9			C110 AND C163 AND C159	C110 AND C163 AND C159	E.1/62 AND E.1/124 AND E.1/225 AND E.1/229	No	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – foreground and background colours	Rel-5	3.10			C110 AND C164 AND C165	C110 AND C164 AND C165	E.1/62 AND E.1/124 AND E.1/230 AND	No	
	UCS2 Display in Cyrillic	R99	4.1			C149	C149	E.1/231 E.1/62 AND E.1/15	No	
	UCS2 display in Chinese	R99	5.1			C150	C150	E.1/62 AND E.1/15	No	
	UCS2 display in Katakana	R99	6.1			C151	C151	E.1/62 AND E.1/15	No	
	Frames	Rel-6	TBD					E.1/62 AND E.1/177 AND E.1/178	TBD	
28	SEND DTMF 27.22.4.24									
	Normal	R99	1.1	М	М	М	М	E.1/66	Yes	
	alpha identifier	R99	1.2, 1.3	М	М	М	М	E.1/66	Yes	
	Mobile is not in a speech call	R99	1.4	М	М	M	М	E.1/66	Yes	
	Icons	R99	2.1, 2.2, 2.3	C108	C108	C108	C108	E.1/66	Yes	
	UCS2 display in Cyrillic	R99	3.1	C118	C118	C118		E.1/66 AND E.1/15	Yes	
	Text attribute – left alignment	Rel-5	4.1			C153	C153	E.1/66 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel- 5	4.2			C154	C154	E.1/66 AND E.1/124 AND E.1/218	Yes	
	Text attribute – right alignment	Rel- 5	4.3			C155	C155	E.1/66 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel- 5	4.4			C157 AND C156	AND	E.1/66 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel- 5	4.5			C158 AND C156	AND	E.1/66 AND E.1/124 AND E.1/222 AND E.1/220	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – bold on	Rel- 5	4.6			C160 AND C159	C160 AND C159	E.1/66 AND E.1/124 AND E.1/225 AND E.1/226	Yes	
	Text attribute – italic on	Rel- 5	4.7			C161 AND C159	C161 AND C159	E.1/66 AND E.1/124 AND E.1/225 AND E.1/227	Yes	
	Text attribute – underline on	Rel-5	4.8			C162 AND C159	C162 AND C159	E.1/66 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel-5	4.9			C163 AND C159	C163 AND C159	E.1/66 AND E.1/124 AND E.1/225 AND E.1/229	Yes	
	Text attribute – foreground and background colours	Rel-5	4.10			C164 AND C165	C164 AND C165	E.1/66 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	UCS2 display in Chinese	R99	5.1			C143	C143	E.1/66 AND E.1/15	Yes	
	UCS2 display in Katakana	R99	6.1			C145	C145	E.1/66 AND E.1/15	Yes	
	Frames	Rel-6	TBD					E.1/66 AND E.1/177 AND E.1/178	TBD	
29	LANGUAGE NOTIFICATION 27.22.4.25	R99	1.1	M	M	M	М	F 1/70	No	
30	Specific language notification Non specific language notification LAUNCH BROWSER 27.22.4.26	R99 R99	1.1	M	M	M	M	E.1/70 E.1/70	No No	
	No session already launched: Connect to the default URL	R99	1.1	C111		C111	C111	E.1/71	Yes	
	connect to the specified URL, alpha identifier length=0	R99 R99	1.2	C111	C111	C111	C111	E.1/71 E.1/71	Yes Yes	
	Browser identity, no alpha identifier one bearer specified and gateway/proxy identity	R99	1.4	C122			C111	E.1/71 E.1/71 AND E.1/98	Yes	
	void	R99	1.5	Void	void	void	void	void		
	Interaction with current session	R99	2.1, 2.2, 2.3	C111	C111	C111	C111	E.1/71	Yes	

n	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	UCS2 display in Cyrillic	R99	3.1	C111 AND 118	C111 AND 118	C111 AND 118	C111 AND 118	E.1/71 AND E.1/15	Yes	
	Icons	R99	4.1, 4.2				C115	E.1/71	Yes	
	Text attribute – left alignment	Rel-5	5.1			C111 AND C153	C111 AND	E.1/71 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel-5	5.2			C111 AND C154	C111 AND C154	E.1/71 AND E.1/124 AND E.1/218	Yes	
	Text attribute – right alignment	Rel-5	5.3			C111 AND C155	C111 AND C155	E.1/71 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel-5	5.4			C111 AND C157 AND C156	AND C157 AND	E.1/71 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel-5	5.5			C111 AND C158 AND C156	C111 AND C158 AND C156	E.1/71 AND E.1/124 AND E.1/222 AND E.1/220	Yes	
	Text attribute – bold on	Rel-5	5.6			C111 AND C160 AND C159	C111 AND C160 AND C159	E.1/71 AND E.1/124 AND E.1/225 AND E.1/226	Yes	
	Text attribute – italic on	Rel-5	5.7			AND C161 AND	C111 AND C161 AND C159	E.1/71 AND E.1/124 AND E.1/225 AND E.1/227	Yes	
	Text attribute – underline on	Rel-5	5.8			C111 AND C162 AND C159	AND	E.1/71 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel-5	5.9			AND C163 AND	C111 AND C163 AND C159	E.1/71 AND E.1/124 AND E.1/225 AND E.1/229	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – foreground and background colours	Rel-5	5.10			C111 AND C164 AND C165	C111 AND C164 AND C165	E.1/71 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	UCS2 display in Chinese	R99	6.1			C111 AND C143	C111 AND C143	E.1/71 AND E.1/15	Yes	
	UCS2 display in Katakana	R99	7.1			C111 AND C145	C111 AND C145	E.1/71 AND E.1/15	Yes	
	Frames	Rel-6	TBD					E.1/71 AND E.1/177 AND E.1/178	TBD	
31	OPEN CHANNEL 27.22.4.27							2.17170		
	void	R99	void	Void	void	void	void	void		
	immediate link establishment, GPRS, no local address, no alpha identifier, no network access name	R99	2.1	C121	C121	C121	C121	E.1/89 AND E.1/98	Yes	
	immediate link establishment GPRS, no alpha identifier, with network access name	R99	2.2	C121	C121	C121	C121	E.1/89 AND E.1/98	Yes	
	immediate link establishment, GPRS, with alpha identifier	R99	2.3	C121	C121	C121	C121	E.1/89 AND E.1/98	Yes	
	immediate link establishment, GPRS, with null alpha identifier	R99	2.4	C121	C121	C121	C121	E.1/89 AND E.1/98	Yes	
	immediate link establishment, GPRS, command performed with modifications (buffer size)	R99	2.5	C152	C152	C152	C152	E.1/89 AND E.1/98	Yes	
	immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command	R99	2.7	C169	C169	C169	C169	E.1/89 AND E.1/98	Yes	
	void	void	2.8	Void	void	void	void	void		
	Default bearer	R99	TBD					E.1/89 AND E.1/98 AND C132	TBD	
	Local Bearer	Rel-4	TBD					E.1/89 AND E.1/98 AND C132	TBD	
	Text attribute – center alignment	Rel-5	5.1			C121 AND C153	C121 AND C153	E.1/89 AND E.1/98 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel-5	5.2			C121 AND C154	C121 AND C154	E.1/217 E.1/89 AND E.1/98 AND E.1/124 AND E.1/218	Yes	

m	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – right alignment	Rel-5	5.3			C121 AND C155	C121 AND C155	E.1/89 AND E.1/98 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel-5	5.4			AND C157 AND C156	AND C157 AND C156	E.1/89 AND E.1/98 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel-5	5.5			C121 AND C158 AND C156	AND C158 AND C156	E.1/89 AND E.1/98 AND E.1/124 AND E.1/222 AND E.1/220	Yes	
	Text attribute – bold on	Rel-5	5.6			C121 AND C160 AND C159	C121 AND C160 AND C159	E.1/89 AND E.1/98 AND E.1/124 AND E.1/225 AND E.1/226	Yes	
	Text attribute – italic on	Rel-5	5.7			C121 AND C161 AND C159	C121 AND C161 AND C159	E.1/89 AND E.1/98 AND E.1/124 AND E.1/225 AND E.1/227	Yes	
	Text attribute – underline on	Rel-5	5.8			C121 AND C162 AND C159	AND C162 AND	E.1/89 AND E.1/98 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel-5	5.9			C121 AND C163 AND C159	AND	E.1/89 AND E.1/98 AND E.1/124 AND E.1/225 AND E.1/229	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – foreground and background colours	Rel-5	5.10			C121 AND C164 AND C165	C121 AND C164 AND C165	E.1/89 AND E.1/98 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	Frames	Rel-6	TBD					E.1/89 AND E.1/98 AND E.1/177 AND E.1/178	TBD	
32	CLOSE CHANNEL 27.22.4.28									
	successful	R99	1.1	C121	C121	C121	C121	E.1/89 AND E.1/90	Yes	
	with an invalid channel identifier	R99	1.2	C121	C121	C121	C121	E.1/89 AND E.1/90	Yes	
	on an already closed channel	R99	1.3 2.1	C121	C121	C121	C121	E.1/90	Yes	
	Text attribute – left alignment	Rel-5	2.1			C121 AND C153	C121 AND C153	E.1/89 AND E.1/90 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel-5	2.2			C121 AND C154	C121 AND C154	E.1/89 AND E.1/90 AND E.1/124 AND E.1/218	Yes	
	Text attribute – right alignment	Rel-5	2.3			C121 AND C155	C121 AND C155	E.1/89 AND E.1/90 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel-5	2.4			AND	C121 AND C157 AND C156	E.1/89 AND E.1/90 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel-5	2.5			C121 AND C158 AND C156	C121 AND C158 AND C156	E.1/89 AND E.1/90 AND E.1/124 AND E.1/222 AND E.1/220	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – bold on	Rel-5	2.6			C121 AND C160 AND C159	C121 AND C160 AND C159	E.1/89 AND E.1/90 AND E.1/124 AND E.1/225 AND E.1/226	Yes	
	Text attribute – italic on	Rel-5	2.7			C121 AND C161 AND C159	C121 AND C161 AND C159	E.1/89 AND E.1/90 AND E.1/124 AND E.1/225 AND E.1/227	Yes	
	Text attribute – underline on	Rel-5	2.8			C121 AND C162 AND C159	C121 AND C162 AND C159	E.1/89 AND E.1/90 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel-5	2.9			C121 AND C163 AND C159	C121 AND C163 AND C159	E.1/89 AND E.1/90 AND E.1/124 AND E.1/225 AND E.1/229	Yes	
	Text attribute – foreground and background colours	Rel-5	2.10			AND C164	AND C164 AND	E.1/89 AND E.1/90 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	Frames	Rel-6	TBD					E.1/89 AND E.1/98 AND E.1/177 AND E.1/178	TBD	
33	already opened channel	R99	1.1	C121	C121	C121	C121	E.1/89 AND E.1/91 AND E.1/92	Yes	

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1	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – center alignment	Rel-5	2.1			C121 AND C153	C121 AND C153	E.1/89 AND E.1/91 AND E.1/92 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel- 5	2.2			C121 AND C154	C121 AND C154	E.1/89 AND E.1/91 AND E.1/124 AND E.1/218	Yes	
	Text attribute – right alignment	Rel- 5	2.3			C121 AND C155	C121 AND C155	E.1/89 AND E.1/91 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel- 5	2.4			C121 AND C157 AND C156	C121 AND C157 AND C156	E.1/89 AND E.1/91 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel- 5	2.5			C121 AND C158 AND C156	C121 AND C158 AND C156	E.1/89 AND E.1/91 AND E.1/124 AND E.1/222 AND E.1/220	Yes	
	Text attribute – bold on	Rel- 5	2.6			C121 AND C160 AND C159	AND C160 AND	E.1/89 AND E.1/91 AND E.1/124 AND E.1/225 AND E.1/226	Yes	
	Text attribute – italic on	Rel- 5	2.7			C121 AND C161 AND C159	C121 AND C161 AND C159	E.1/89 AND E.1/91 AND E.1/124 AND E.1/225 AND E.1/227	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute – underline on	Rel- 5	2.8			C121 AND C162 AND C159	C121 AND C162 AND C159	E.1/89 AND E.1/91 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel- 5	2.9			C121 AND C163 AND C159	C121 AND C163 AND C159	E.1/89 AND E.1/91 AND E.1/124 AND E.1/225 AND E.1/229	Yes	
	Text attribute— foreground and background colours	Rel-5	2.10			C121 AND C164 AND C165	C121 AND C164 AND C165	E.1/89 AND E.1/91 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	Frames	Rel-6	TBD					E.1/89 AND E.1/91 AND E.1/177 AND E.1/178	TBD	
34	SEND DATA 27.22.4.30 immediate mode	R99	1.1	C121	C121	C121	C121	E.1/89 AND E.1/92	Yes	
	Store mode	R99	1.2	C121	C121		C121	E.1/89 AND E.1/92	Yes	
	Store mode, Tx buffer fully used	R99	1.3	C121	C121	C121	C121	E.1/89 AND E.1/92	Yes	
	2 consecutive SEND DATA Store mode	R99	1.4		C121	C121	C121	E.1/89 AND E.1/92	Yes	
	immediate mode with a bad channel identifier	R99	1.5	C121	C121	C121	C121	E.1/89 AND E.1/92	Yes	
	void								Yes	
	Text attribute– left alignment	Rel-5	2.1			C121 AND C153	C121 AND C153	E.1/89 AND E.1/92 AND E.1/124 AND E.1/217	Yes	
	Text attribute – center alignment	Rel-5	2.2			C121 AND C154	C121 AND C154	E.1/89 AND E.1/92 AND E.1/124 AND E.1/218	Yes	

em	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME		Terminal Profile	Network Dependency	Sup- port
	Text attribute – right alignment	Rel-5	2.3			C121 AND C155	C121 AND C155	E.1/89 AND E.1/92 AND E.1/124 AND E.1/219	Yes	
	Text attribute – large font size	Rel-5	2.4			C121 AND C157 AND C156	C121 AND C157 AND C156	E.1/89 AND E.1/92 AND E.1/124 AND E.1/221 AND E.1/220	Yes	
	Text attribute – small font size	Rel-5	2.5			C121 AND C158 AND C156	AND C158 AND C156	E.1/89 AND E.1/92 AND E.1/124 AND E.1/222 AND E.1/220	Yes	
	Text attribute – bold on	Rel-5	2.6			C121 AND C160 AND C159	C121 AND C160 AND C159	E.1/89 AND E.1/92 AND E.1/124 AND E.1/225 AND E.1/226	Yes	
	Text attribute – italic on	Rel-5	2.7			C121 AND C161 AND C159	C121 AND C161 AND C159	E.1/89 AND E.1/92 AND E.1/124 AND E.1/225 AND E.1/227	Yes	
	Text attribute – underline on	Rel-5	2.8			C121 AND C162 AND C159	AND	E.1/89 AND E.1/92 AND E.1/124 AND E.1/225 AND E.1/228	Yes	
	Text attribute – strikethrough on	Rel-5	2.9			C121 AND C163 AND C159	AND C163 AND	E.1/89 AND E.1/92 AND E.1/124 AND E.1/225 AND E.1/229	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Text attribute– foreground and background colours	Rel-5	2.10			C121 AND C164 AND C165	C121 AND C164 AND C165	E.1/89 AND E.1/92 AND E.1/124 AND E.1/230 AND E.1/231	Yes	
	Frames	Rel-6	TBD					E.1/89 AND E.1/92 AND E.1/177 AND E.1/178	TBD	
35	GET CHANNEL STATUS 27.22.4.31									
	without any BIP channel opened	R99	1.1	C121	C121	C121	C121	E.1/93	Yes	
	with a BIP channel currently opened	R99	1.2			C121		E.1/89 AND E.1/93	Yes	
	after a link dropped	R99	1.3	C121	C121	C121	C121	E.1/89 AND E.1/93	Yes	
36	DATA DOWNLOAD TO UICC 27.22.5									
37	SMS-PP DATA DOWNLOAD 27.22.5.1		4.4							
	void UICC responds with '61 XX'	R99	1.1 1.2	М	М	М	М	E.1/2	Yes	
	More time	R99	1.3	M	M	M	M	E.1/2	Yes	
	void	1100	1.4	1	1	1			. 00	
	Data coding / message class	R99	1.6	М	М	М	М	E.1/2	Yes	
	RP-ERROR Handling	R99	1.7				М	E 1/2	Yes	
	General Data Coding UDH	R99	1.8	М	М	М	М	E 1/2	Yes	
38	CELL BROADCAST DATA DOWNLOAD 27.22.5.2									
	Cell Broadcast(GSM) - ME does not display message	R99	1.1	М	М	М	М	E.1/3	System Simulator only	
	void	D00	1.2	.				E 4/0		
	Cell Broadcast(GSM) - ME displays message	R99	1.3	М	М	М	М	E.1/3	System Simulator only	
	Cell Broadcast (UTRAN) - ME does not display message	Rel-5	1.4					E.1/3	UMTS System Simulator only	
	Cell Broadcast (UTRAN) -More time	Rel-5	1.5					E.1/3 AND E.1/20	UMTS System Simulator only	
	Cell Broadcast(UTRAN) - ME displays message	Rel-5	1.6					E.1/3	UMTS System Simulator only	
	Cell Broadcast(GSM) - More time (UDH)	R99	1.7	М	М	М	М	E.1/3 AND E.1/20	System Simulator only	
39	CALL CONTROL BY USIM 27.22.6									

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	Procedure for MO calls (Cell identity in envelope call control)	R99	1.1, 1.2, 1.4, 1.6, 1.8 to 1.14	M	M	M	М	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/29 AND E.1/64	Yes	
	Procedure for MO calls (Cell identity in envelope call control)	R99	1.3 A, 1.5 A, 1.7 A		C140			E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/29 AND E.1/64	Yes	
	Procedure for MO calls (Cell identity in envelope call control)	R99	1.3 B, 1.5 B, 1.7 B	C141	C141	C141	C141	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/29 AND E.1/64	Yes	
	Procedure for SS (Cell identity in envelope call control)	R99	2.1, 2.2, 2.3, 2.4	M	M	М	M	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/64	Yes	
	Interaction with FDN (Cell identity in envelope call control)	R99	3.1, 3.2, 3.3, 3.4, 3.5	C146	C146	C146	C146	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/64	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	BDN service enabled	R99	4.1	C147	C147	C147	C147	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND	Yes	
	BDN service enabled, interaction with emergency call codes, R99 only	R99	4.2A	C147				E.1/64 E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/11 AND E.1/13 AND E.1/64	Yes	
	BDN service enabled, interaction with emergency call codes, Rel- 4+	Rel-4	4.2B		C147	C147	C147	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 ND E.1/64	Yes	
	FDN and BDN enabled, set up a call in EFFDN, Allowed with modifications	R99	4.3	C146 AND C147	C146 AND C147	C146 AND C147	C146 AND C147	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/64	Yes	
	Call control on GPRS	Rel-5	TBD					E.1/98 AND E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/11	TBD	
	BDN service enabled, ME not supporting BDN	R99	5.1			C147	C147	N/A	Yes	
40	27.22.7.1: MT call event	R99	1.1	M	M	M	M	E.1/34 AND E.1/33	Yes	
	27.22.7.2.1: call connected event	R99	1.1	М	М	М	М	E.1/35 AND E.1/33	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	27.22.7.2.2: ME supporting SET UP CALL	R99	2.1	M	M	M	M	E.1/35 AND E.1/29 AND E.1/33	Yes	
	27.22.7.3: call disconnected event	R99	1.1	М	М	М	М	E.1/36 AND E.1/33	Yes	
	27.22.7.4: location status event	R99	1.1	М	М	М	М	E.1/37 AND E.1/33	Yes	
	27.22.7.5: user activity event	R99	1.1	М	М	М	М	E.1/38 AND E.1/33	No	
	27.22.7.6: idle screen available event	R99	1.1	М	М	М	М	E.1/39 AND E.1/33	Yes	
	27.22.7.7.1: Card reader status normal	R99	1.1	C109	C109	C109	C109	E.1/40 AND E.1/33	No	
	27.22.7.7.2: Detachable card reader	R99	2.1	C116	C116	C116	C116	E.1/40 AND E.1/33	No	
	27.22.7.8: language selection event	R99	1.1	М	М	М	М	E.1/41 AND E.1/33	No	
	27.22.7.9: Browser termination event	R99	1.1	C111	C111	C111	C111	E.1/42 AND E.1/33	Yes	
	27.22.7.10: Data available event	R99	1.1	C121	C121	C121	C121	E.1/43 AND E.1/89 AND E.1/92 AND E.1/33	Yes	
	27.22.7.11: Channel status event	R99	1.1	C121	C121	C121	C121	E.1/44 AND E.1/89 AND E.1/33	Yes	
	27.22.7.12: Access Technology change event	Rel-4	TBD					E.1/45 AND E.1/33	TBD	
	27.22.7.13: Display parameter changed event	Rel-4	TBD					E.1/46 AND E.1/33	TBD	
	27.22.7.14: Local connection event	Rel-4	TBD					E.1/47 AND E.1/33	TBD	
	27.22.7.15: Network search mode change event	Rel-6	TBD					E.1/48 AND E.1/33	TBD	
	27.22.7.16: Browsing status event	Rel-6	TBD					E.1/193 AND E.1/33	TBD	
	Frame information changed event	Rel-6	TBD					E.1/195 AND E.1/177 AND E.1/178	TBD	
41	MO SMS Control by USIM							L.1/170		+
	With proactive command, Allowed , no modification	R99	1.1	М	М	М	М	E1/12 AND E.1/26	Yes	

Item	Description	Re- leas e	Test sequence (s)	Rel 99 ME	Rel- 4 ME	Rel- 5 ME	Rel- 6 ME	Terminal Profile	Network Dependency	Sup- port
	With user SMS, Allowed , no modification	R99	1.2	М	М	М	М	E1/12	Yes	
	With proactive command, Not allowed	R99	1.3	М	M	М	M	E1/12 AND E.1/26	Yes	
	With user SMS, Not allowed	R99	1.4	М	М	M	М	E1/12	Yes	
	With proactive command, Allowed, with modifications	R99	1.5	М	М	М	М	E1/12 AND E.1/26	Yes	
	With user SMS, Allowed, with modifications	R99	1.6	М	М	М	М	E1/12	Yes	
	With Proactive command, the USIM responds with '90 00', Allowed, no modification	R99	1.7	M	М	М	М	E1/12 AND E.1/26	Yes	
	Send Short Message attempt by user, the USIM responds with '90 00', Allowed, no modification	R99	1.8	M	M	М	M	E1/12	Yes	
	Void		1.9							
42	SERVICE SEARCH	Rel-4	TBD					E.1/94	TBD	
43	GET SERVICE INFORMATION	Rel-4	TBD					E.1/95	TBD	
44	DECLARE SERVICE	Rel-4	TBD					E.1/96	TBD	
45	RETRIEVE MULTIMEDIA MESSAGE	Rel-6	TBD					E.1/173	TBD	
46	SUBMIT MULTIMEDIA MESSAGE	Rel-6	TBD					E.1/173	TBD	
47	DISPLAY MULTIMEDIA MESSAGE	Rel-6	TBD					E.1/173	TBD	
48	SET FRAMES	Rel-6	TBD					E.1/177 AND E.1/178	TBD	
49	GET FRAME STATUS	Rel-6	TBD					E.1/178 AND E.1/177	TBD	
50	Handling of command number									
	DISPLAY TEXT normal priority	R99	1.1	М	М	M	М	E.1/17	No	

C101	IF A.1/1 THEN M ELSE N/A	O_Cap_Conf
C102 C103	IF A.1/16 THEN M ELSE N/A	O_GPRS
C103	void IF A.1/2 THEN M ELSE N/A	O_Sust_text
C104	IF A.1/2 THEN IN ELSE N/A IF A.1/3 AND A.1/41 THEN M ELSE N/A	
C105	IF A.1/4 THEN M ELSE N/A	O_Ucs2_Entry AND O_UCS2_Cyrillic O Ext Str
	IF A.1/4 THEN M ELSE N/A IF A.1/5 THEN M ELSE N/A	= =
C107		O_Help
C108 C109	IF A.1/6 THEN (O.1 OR O.2) ELSE N/A	O_lcons
C109	IF A.1/7 THEN M ELSE N/A	O_Dual_Slot
	IF A.1/9 AND A.1/46 THEN M ELSE N/A	O_Run_At AND O_+CIMI
C111 C112	IF A.1/10 THEN M ELSE N/A	O_LB
_	IF A.1/11 THEN M ELSE N/A void	O_Soft_key
C113	IF C110 AND C108 THEN M ELSE N/A	O Dun At AND O LCIMI AND O Joons
C114		O_Run_At AND O_+CIMI AND O_Icons
C115	IF C111 AND C108 THEN M ELSE N/A	O_LB AND O_Icons
C116	IF A.1/7 AND A.1/8 THEN M ELSE N/A	O_Dual_Slot AND O_Detach_Rdr
C117	void	O Hook Dian AND O HOOk Ovrillia
C118	IF A.1/15 AND A.1/41 THEN M ELSE N/A	O_Ucs2_Disp AND O_UCS2_Cyrillic
C119	IF A.1/19 THEN M ELSE N/A	O_Redial
C120	IF A.1/20 THEN M ELSE N/A	O_D_NoResp
C121	IF A.1/21 AND A.1/17 THEN M ELSE N/A	O_BIP_GPRS AND O_UDP
C122	IF C111 AND A.1/16 THEN M ELSE N/A	O_LB AND O_GPRS
C123	void	
C124		the expected sequence number value) O_CP_Subaddr
C125	IF A.1/23 THEN M ELSE N/A	
C126	IF A.1/24 THEN M ELSE N/A	O_Duration
C127	void	

C128	void	
C129	void	
C130	void	
C131	void	
C132	IF A.1/27 THEN M ELSE N/A	O_BIP_Local
C133	IF A.1/37 THEN M ELSE N/A	O_Frames
C134	IF A.1/38 THEN M ELSE N/A	O_MMS
C135	IF C110 AND C133 THEN M ELSE N/A	O_Run_At AND O_Frames
C136	IF C111 AND C133 THEN M ELSE N/A	O_LB AND O_Frames
C137	IF A.1/12 AND C133 THEN M ELSE N/A	O_BIP AND O_Frames
C138	IF A.1/39 THEN M ELSE N/A	O_Tones
C139	IF A.1/35 THEN M ELSE N/A	O_Batt
C140	IF A.1/39 THEN M ELSE N/A	O_UC_Before_EnvCC
C141	IF A.1/40 THEN M ELSE N/A	O_UC_After_EnvCC
C142	IF A.1/3 AND A.1/42 THEN M ELSE N/A	O_UCS2_Entry AND O_UCS2_Chinese
C143	IF A.1/15 AND A.1/42 THEN M ELSE N/A	O_UCS2_Disp AND O_UCS2_Chinese
C144	IF A.1/3 AND A.1/43 THEN M ELSE N/A	O_UCS2_Entry AND O_UCS2_Katakana
C145	IF A.1/15 AND A.1/43 THEN M ELSE N/A	O_UCS2_Disp AND O_UCS2_Katakana
C146	IF A. 1/45 THEN M ELSE N/A	O_FDN
C147	IF A. 1/44 THEN M ELSE N/A	O_BDN
C148	IF (A.1/9 AND A.1/47) THEN M ELSE N/A	O_Run_At AND O_+CGMI
C149	IF C148 AND C118 THEN M ELSE N/A	O_Run_At AND O_+CGMI AND O_ O_Ucs2_Disp AND
0149	IF C140 AND C110 THEN WELSE N/A	
0.450	IE O440 AND O440 THEN MELOE N/A	O_Ucs2_ Cyrillic
C150	IF C148 AND C143 THEN M ELSE N/A	O_Run_At AND O_+CGMI AND O_ O_Ucs2_Disp AND
		O_Ucs2_ Chinese
C151	IF C148 AND C145 THEN M ELSE N/A	O_Run_At AND O_+CGMI AND O_ O_Ucs2_Disp AND
		O Ucs2 Katakana
C152	IF C121 AND A.1/49 THEN M ELSE N/A	O_BIP_GPRS AND O_UDP AND O_BUFFER_SIZE
C153	IF A.1/50 THEN M ELSE N/A	O TAT AL
C154	IF A.1/51 THEN M ELSE N/A	O_TAT_AC
C155	IF A.1/52 THEN M ELSE N/A	O_TAT_AR
C156	IF A.1/53 THEN M ELSE N/A	O_TAT_FSN
C157	IF A.1/54 THEN M ELSE N/A	O_TAT_FSL
C158	IF A.1/55 THEN M ELSE N/A	O_TAT_FSS
C159	IF A.1/56 THEN M ELSE N/A	O_TAT_SN
C160	IF A.1/57 THEN M ELSE N/A	O_TAT_SB
C161	IF A.1/58 THEN M ELSE N/A	O_TAT_SI
C162	IF A.1/59 THEN M ELSE N/A	O_TAT_SU
C163	IF A.1/60 THEN M ELSE N/A	O_TAT_SS
C164	IF A.1/61 THEN M ELSE N/A	O_TAT_STFC
C165	IF A.1/62 THEN M ELSE N/A	O_TAT_STBC
C166	IF A.1/63 THEN test step option n.A M ELSE t	
C167		O_GERAN
C168	IF A.1/65 THEN M ELSE N/A	O_Global_PB
C169	IF (C121 AND A.1/68 THEN test x.A M ELSE	
0109		
	IF (C121 AND NOT A.1/68) test x.B M	O_User_Confirm_Before_PDP_Context_Request) OR
		(O_BIP_GPRS AND O_UDP AND NOT
		O_User_Confirm_Before_PDP_Context_Request)
0.1		d 1 of EF(IMG), tests x.1A M ELSE tests x.1B M (where x is
	the expected sequence number value)	
0.2		2 of EF(IMG), tests x.2A M ELSE x.2B M (where x is the
- "	expected sequence number value)	
O.3	void	
0.0	VOIU	

3.5 Conventions for mathematical notations

The conventions for mathematical notations specified below shall apply.

3.5.1 Mathematical signs

The "plus or minus" sign is expressed by " \pm ".

The sign "multiplied by" is expressed by "*".

The sign "divided by" is expressed by "/", or the common division bar.

The sign "greater than or equal to" is expressed by "≥".

The sign "less than or equal to" is expressed by "≤".

4 Test equipment

The test equipment is specified in TS 34.108 [12] clause 4.

5 Testing methodology in general

When possible the present document refers to ETSI TS 102 384 [26] to describe generic aspects of application toolkit tests.

5.1 Testing of optional functions and procedures

Any function or procedure which is optional, as indicated in the present document, may be subject to a conformance test if it is implemented in the ME.

5.2 Test interfaces and facilities

The UICC, and (U)SS interfaces provides the main test interfaces for the purpose of performing conformance tests.

The tests which require a network simulator shall be carried out with using a Universal System Simulator when accessing a UTRAN, and if theses tests have to be performed additionally when accessing a GERAN a System Simulator shall be used instead.

5.3 Information to be provided by the apparatus supplier

The information to be provided by the apparatus supplier specified in both TS 34.108 [12] and TS 51.010-1 [23] shall apply, unless otherwise specified in the present clause.

In addition, the apparatus supplier shall provide the information with respect to the Supported Option table A.1 and to ME's default configuration table A.2.

Table A.2: ME"s default configuration

Item	Description	Value	Status
1	DISPLAY TEXT: No Response from user timeout interval		С
2	GET INKEY: No response from user Timeout interval		С
3	GET INPUT: No response from user Timeout interval		С
4	SELECT ITEM: No response from user Timeout interval		С
5	DISPLAY TEXT Text Attributes Alignment [Left or Center or Right]		С
6	GET INKEY Text Attributes Alignment [Left or Center or Right]		С
7	GET IMPUT Text Attributes Alignment [Left or Center or Right]		С
8	PLAY TONE Text Attributes Alignment [Left or Center or Right]		С
9	SET UP MENU Text Attributes Alignment [Left or Center or Right]		С
10	SELECT ITEM Text Attributes Alignment [Left or Center or Right]		С
11	SEND SHORT MESSAGE Text Attributes Alignment [Left or Center or Right]		С
12	SEND SS Text Attributes Alignment [Left or Center or Right]		С
13	SEND USSD Text Attributes Alignment [Left or Center or Right]		С
14	SET UP CALL Text Attributes Alignment [Left or Center or Right]		С
15	SET UP IDLE MODE TEXT Text Attributes Alignment [Left or Center or Right]		С
	RUN AT Text Attributes Alignment [Left or Center or Right]		С
	SEND DTMF Text Attributes Alignment [Left or Center or Right]		С
18	LAUNCH BROWSER Text Attributes Alignment [Left or Center or Right]		С
19	OPEN CHANNEL Text Attributes Alignment [Left or Center or Right]		С
	CLOSE CHANNEL Text Attributes Alignment [Left or Center or Right]		С
21	RECEIVE DATA Text Attributes Alignment [Left or Center or Right]		С
22	SEND DATA Text Attributes Alignment [Left or Center or Right]		С
	IMEI		M
24	IMEISV		С
25	[Reserved]		
26	Additional Card Reader Id		С
27	Channel Id		С
	Manufacturer identification as implemented according to TS 27.007, cl. 5.1		С
	Preferred buffer size supported by the terminal for Open Channel command		С
NOTE	: Conditional values shall be provided if the corresponding option is supported	in the tabl	e A.1

6 Implicit testing

For some 3GPP features conformance is not verified explicitly in the present document. This does not imply that correct functioning of these features is not essential, but that these are implicitly tested to a sufficient degree in other tests.

It should be noted that for these features some aspects have to be and are explicitly tested, e.g. the ability to switch between 1.8v and 3v operation.

Some UICC features will be explicitly tested as result of other tests. These should be identified for the following reason:

- To identify the areas of overlap and thus provide a more efficient testing.

7 Measurement uncertainty

The measured value relating to the corresponding limit shall be used to determine whether or not a terminal equipment meets the requirement. (ETR 028, annex B).

This process is often referred to as "shared risk".

8 Format of tests

In general the following basic format for tests is used:

27.22.X.X. Tested command

27.22.X.X.1 Command tested in «environment #1" (NORMAL, ICONS, UCS2 ...)

27.22.X.X.1.1 Definition and applicability

This clause refers back to clause 3.2.2.

27.22.X.X.1.2 Conformance requirement

Only if required, this clause details the necessary core specification references.

27.22.X.X.1.3 Test purpose

This clause details the purpose of the test.

27.22.X.X.1.4 Method of test

27.22.X.X.1.4.1 Initial conditions

If present this clause defines the initial conditions to be established before running each test sequence.

27.22.X.X.1.4.2 Procedure

This clause details the test procedure. Each test sequence shall be carried out independently unless otherwise stated.

- Sequence 1.1 (further initial conditions, added here)

Command 1.1.1	
TERMINAL RESPONSE1.1.1A or	
1.1.1B	
1.1.1D	
Command 1.1.2	
TERMINAL RESPONSE1.1.2	

PROACTIVE COMMAND 1.1.1

TERMINAL RESPONSE 1.1.1A

TERMINAL RESPONSE 1.1.1B

PROACTIVE COMMAND 1.1.2

TERMINAL RESPONSE 1.1.2

- Sequence 1.2

Command 1.2.1
TERMINAL RESPONSE 1.2.1
Command 1.2.2
TERMINAL RESPONSE 1.2.2 (same as TERMINAL RESPONSE 1.2.1)
Command 1.2.3
TERMINAL RESPONSE 1.2.3

PROACTIVE COMMAND 1.2.1

PROACTIVE COMMAND 1.2.2

PROACTIVE COMMAND 1.2.3

TERMINAL RESPONSE 1.2.1

TERMINAL RESPONSE 1.2.2

TERMINAL RESPONSE 1.2.3

- Sequence 1.3

Command 1.3.1

TERMINAL RESPONSE1.3.1

PROACTIVE COMMAND 1.3.1

TERMINAL RESPONSE 1.3.1

27.22.X.X.1.5 Test requirement

This clause details the conditions to be met for successful completion of the test.

27.22.X.X.2 Command tested in "environment #2" (NORMAL, ICONS, UCS2 ...)

27.22.X.X. 2.1 Definition and applicability

27.22.X.X. 2.2 Conformance requirement

27.22.X.X. 2.3 Test purpose

27.22.X.X. 2.4 Method of test

27.22.X.X. 2.4.1.1 Initial conditions

27.22.X.X. 2.4.1.2 Procedure

- Sequence 2.1

Command 2.1.1

TERMINAL RESPONSE2.1.1A or

2.1.1B

Command 2.1.2

TERMINAL RESPONSE2.1.2

PROACTIVE COMMAND 2.1.1

TERMINAL RESPONSE 2.1.1A

TERMINAL RESPONSE 2.1.1B

PROACTIVE COMMAND 2.1.2

TERMINAL RESPONSE 2.1.2

- Sequence 2.2

Command 2.2.1

TERMINAL RESPONSE 2.2.1	
Command 2.2.2	
TERMINAL RESPONSE 2.2.2 (same as TERMINAL RESPONSE 2.2.1)	
Command 2.2.3	
TERMINAL RESPONSE 2.2.3	

PROACTIVE COMMAND 2.2.1

PROACTIVE COMMAND 2.2.2

PROACTIVE COMMAND 2.2.3

Coding TERMINAL RESPONSE 2.2.1

Coding TERMINAL RESPONSE 2.2.2

Coding TERMINAL RESPONSE 2.2.3

27.22.X.X.2.5 Test requirement

9 Generic call set up procedures

The generic call set up procedure for PS and CS calls specified for GERAN and UTRAN shall apply.

For a ME accessing UTRAN the call set up procedures specified in TS 34.108 [12] subclause 7.2.3.1.3 and 7.2.3.2.3 shall apply, for session setup the ones defined in 7.2.4.1.3 and 7.2.4.2.3, unless otherwise specified in the present clause.

For a ME accessing GERAN the call set up procedures specified in TS 51.010-1 [23] subclause 26.9 shall apply, for session setup the ones defined in 45.2 and 45.4, unless otherwise specified in the present clause.

10 - 26Not used

27 Testing of the UICC/ME interface

This clause is an addition to TS 31.121 [21] to confirm the correct interpretation of the USIM Application Toolkit commands and the correct operation of the Toolkit facilities.

The definitions, declarations and default values specified in TS 31.121 [21] clause 4.1 shall apply, unless otherwise specified in the present clause.

A USIM Simulator with the appropriate USIM Application Toolkit functionality will be required. The USIM 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 31.111 [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.

TS 31.111 [15] defines that in case of the general result "Command performed successfully" some proactive commands require additional information in the command result and in which cases this is mandatory or optional. Thus when

additional information bytes are optional in the Result TLV, the additional information bytes of the Result TLV in the Terminal Responses shall be ignored.

27.1 - 27.21 Void

27.22 USIM Application Toolkit

27.22.1AGeneral Test purpose

Testing of functional conformance to USIM Application Toolkit commands, including proactive UICC commands.

All facilities given by the TERMINAL PROFILE as supported, for which tests exist in the present document, shall be tested.

Many of the proactive UICC commands include an alpha identifier data object. This is intended to be a short one or two word identifier for the ME to optionally display on the screen along with any other indications, at the same time as the ME performs the UICC command.

The sequence of USIM Application Toolkit commands are specific to the Toolkit Application being NOTE: executed within the UICC, hence sequential testing of commands is not possible. The testing will therefore have to be performed on a command by command basis.

27.22.2ADefinition of default values for USIM Application Toolkit testing

A UICC 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 USIM follow, as defined in:

- TS 31.121 [21], clause 4.1.
- ETSI TS 102 384 [26], clause 27.22.1B.

NOTE 1: Bx represents byte x of the coding.

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

EF_{UST} (USIM Service Table)

Logically:

(Service 01) (Service 02)	Local Phone Book available Fixed dialling numbers available
(Service 02)	Barred dialling numbers available
(Service 10)	Short Message Storage available
(Service 11)	Short Message Status Reports available
(Service 12)	Short Message Service Parameters available
(Service 15)	Cell Broadcast Message Identifier available
(Services 17, 18)	The Group Identifier level 1 and level 2 not available
(Service 20)	User controlled PLMN selector available
(Service 22)	Image (IMG) available
(Service 27)	The GSM Access available
(Service 28)	Data download via SMS-PP available
(Service 29)	Data download via SMS-CB available
(Service 30)	Call Control by USIM not available
(Service 31)	MO-SMS Control by USIM not available
(Service 32)	RUN AT COMMAND available
(Service 33)	(Packed Switched Domain) shall be set to '1'
(Service 34)	Enabled Services Table available

Coding: B1 B2 B3 B4 B5

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

EF_{EST} (Enabled Services Table)

Logically:

(Service 1) Fixed Dialling number deactivated (Service 2) Barred Dialling number deactivated

(Service 3) APN Control List deactivated

Coding: B1 binary 00

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_{AD} (Administrative Data)

Logically: Type approval operations

OFM to be deactivated by the Terminal

MNC: 2 digit

Coding: B1 B2 B3 B4 Hex 80 00 00 02

EF_{LOCI} (Location Information)

Logically:

LAI-MCC: 001
LAI-MNC: 01
LAI-LAC: 0001
TMSI: "FF .. FF"

Coding: **B**1 B2 **B**3 **B**4 **B5** B6 В7 B8 В9 B10 B11 FF FF FF FF 00 F1 10 00 01 FF 00 Hex

EF_{PSLOCI} (Packet Switch Location Information)

Logically:

RAI-MCC: 001 RAI-MNC: 01 RAI-LAC: 0001 RAI-RAC: 05 P-TMSI: "FF....FF"

P-TMSI signature value: "FF...FF"

Coding: B1 B2 B3 B4 B5 B6 B7

Hex FF FF FF FF FF FF

B9 B11 Coding: B8 B10 B12 B13 B14 F1 10 00 01 05 00 Hex 00

 $EF_{CBMI}\left(Cell\ Broadcast\ Message\ Identifier\right)$

Cell Broadcast Message Identifier 1: '03 E7'

Coding: 03 E7 FF .. FF

EF_{CBMID} (Cell Broadcast Message Identifier for Data Download)

Logically:

Logically:

Cell Broadcast Message Identifier 1: '10 01'

Coding: 10 01 FF .. FF

EF_{FDN} (Fixed Dialling Numbers)

Logically:

Record 1: Length of alp ha identifier: 6 characters;

Alpha identifier: "FDN111";

Length of BCD number: "03";

TON and NPI: Telephony and unknown;

Dialled number: 123; CCI: None; Ext2: None.

Coding for record 1:

B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13

Hex 46 44 4E 31 31 31 03 81 21 F3 FF FF

B14 B15 B16 B17 B18 B19 B20

FF FF FF FF FF

Record 2: Length of alpha identifier: 6 characters;

Alpha identifier: "FDN222"; Length of BCD number: "03";

TON and NPI: Telephony and Unknown;

Dialled number: 9876; CCI: None; Ext2: None.

Coding for record 2:

B1 **B**2 В3 **B**4 **B5** B6 В7 **B8 B9** B10 B11 B12 B13 FF Hex 46 44 4E 32 32 32 03 81 89 67 FF FF

B14 B15 B16 B17 B18 B19 B20 FF FF FF FF FF FF FF

Record 3: Length of alpha identifier: 6 characters;

Alpha identifier: "FDN333"; Length of BCD number: "0B";

TON and NPI: Telephony and International; bialled number: +12345678901234567890;

CCI: None; Ext2: None.

Coding for record 3:

B1 **B**2 **B5 B6 B**9 B12 **B**3 **B**4 **B**7 **B8** B10 B11 B13 Hex 46 44 4E 33 33 33 0B91 21 43 65 87 09

B14 B15 B16 B17 B18 B19 B20 21 43 65 87 09 FF FF

EF_{BDN} (Barred Dialling Numbers)

Logically:

Record 1: Length of alpha identifier: 6 characters;

Alpha identifier: "BDN111"; Length of BCD number: "06";

TON and NPI: Telephony and International;

Dialled number: +1357924680;

CCI: None; Ext4: None Comprehension method pointer: None.

Coding for record 1:

B1 **B**2 **B**3 **B**4 **B5 B6 B**7 **B8 B9** B10 B11 B12 B13 Hex 44 31 31 75 29 64 08 42 4E 31 06 91 31

B19 B14 B20 B21 B15 B16 B17 B18 FF FF FF FF FF FF FF FF

Record 2: Length of alpha identifier: 6 characters;

Alpha identifier: "BDN222";

Length of BCD number: "03";

TON and NPI: Telephony and Unknown;

Dialled number: 122; CCI: None: Ext4: None Comprehension method pointer: None.

Coding for record 2:

B1 **B**2 **B**3 **B**4 **B5** В6 **B**7 **B8 B9** B10 B11 B12 B13 FF FF Hex 42 44 32 32 32 04 81 21 F2 FF 4E

B14 B15 B16 B17 B18 B19 B20 B21 FF FF FF FF FF FF FF FF

Record 3: Length of alpha identifier: 6 characters;

Alpha identifier: "BDN333";

Length of BCD number: "03";

TON and NPI: Telephony and Unknown;

Dialled number: 112; CCI: None; Ext4: None. Comprehension method pointer: None

Coding for record 3:

В9 B1 **B2** В3 **B**4 **B5 B6 B**7 **B8** B10 B11 B12 B13 FF Hex 42 44 4E 33 33 33 03 81 11 F2 FF FF

B14 B15 B16 B17 B18 B19 B20 B21 FF FF FF FF FF FF FF FF

EF_{ECC} (Emergency Call Codes)

"122"; Logically: Emergency call code:

"TEST"; Emergency call code alpha identifier: **RFU**

Emergency call Service Category:

B7 **B**8 Coding: B1 **B**2 В3 **B**4 **B5** B6 Hex 21 F2 FF 54 45 53 54 00

EF_{SMSS} (SMS Status)

Logically: Last used TP-MR set to "00".

Memory capacity available (flag unset b1="1").

Coding: B1 B2
Hex 00 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	В3	 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: See ETSI TS 102 384 [26] subclause 27.22.1B.

27.22.1 Initialization of USIM Application Toolkit Enabled UICC by USIM Application Toolkit Enabled ME (Profile Download)

27.22.1.1 Definition and applicability

See clause 3.2.2.

27.22.1.2 Conformance requirement

The ME shall support the PROFILE DOWNLOAD command as defined in:

- TS 31.111 [15] clause 5.2.

27.22.1.3 Test purpose

To verify that the ME sends a TERMINAL PROFILE command in accordance with the above requirements.

27.22.1.4 Method of test

27.22.1.4.1 Initial conditions

The ME is connected to the USIM Simulator. All elementary files are coded as the default Toolkit personalization..

27.22.1.4.2 Procedure

Expected Sequence 1 (PROFILE DOWNLOAD)

Step	Direction	Message / Action	Comments
1	$USER \rightarrow ME$	Power on ME	[UICC Activation]
2	$ME \to UICC$	Select EF PL	
3	$UICC \to ME$	Read EF PL	
4	$ME \rightarrow UICC$	TERMINAL PROFILE 1.1	PROFILE DOWNLOAD
5	$UICC \to ME$	NORMAL ENDING OF	
		COMMAND 1.1	
6	$ME \rightarrow UICC$	Select USIM Application	

TERMINAL PROFILE: 1.1

Logically:

Coding:

APDU:	CLA=80	INS=10	P1=00	P2=00	P3=XX

DATA IN:	YY	ZZ	

With XX representing the length of the following DATA IN depending on the USIM Toolkit commands supported by the ME, and with YY, ZZ, ... representing here the bytes of the TERMINAL PROFILE data, as specified in TS 31.111 [15], clause 5.2.

NORMAL ENDING OF COMMAND: 1.1

Logically:

Coding:

27.22.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.

27.22.2 Contents of the TERMINAL PROFILE command

27.22.2.1 Definition and applicability

See table E.1 in annex B.

27.22.2.2 Conformance requirement

The ME shall support the PROFILE DOWNLOAD command as defined in:

- TS 31.111 [15] clause 5.2.

27.22.2.3 Test purpose

- 1. Verify that the TERMINAL PROFILE indicates that Profile Download facility is supported.
- 2. Record which USIM Application Toolkit facilities are supported by the ME, to determine which subsequent tests are required.

27.22.2.4 Method of test

27.22.2.4.1 Initial conditions

The ME is connected to the USIM Simulator. All elementary files are coded as the default USIM Application Toolkit personalization.

27.22.1.4.2 Procedure

- a) The ME is powered on.
- b) After the ME sends the TERMINAL PROFILE command to the USIM Simulator, the USIM Simulator shall record the content of the TERMINAL PROFILE.
- c) The USIM Simulator shall return SW1 / SW2 of '90 00'.
- d) The contents of the TERMINAL PROFILE is recorded and compared to the corresponding table E.1 "status" column.

The test is terminated upon the ME sending the TERMINAL PROFILE command to the USIM Simulator.

27.22.2.5 Test requirement

- 1) After step a) the ME shall send the TERMINAL PROFILE command to the USIM Simulator with bit 1 of the first byte set to 1 (facility supported by ME).
- 2) In table E.1 for the corresponding ME USIM Toolkit Release and Options, The TERMINAL PROFILE information "support" recorded must be in accordance with the "Status" column. Support of features defined only in releases later than currently tested release shall be ignored.

27.22.3 Servicing of proactive UICC commands

27.22.3.1 Definition and applicability

See clause 3.2.2.

27.22.3.2 Conformance requirement

On detection of a pending USIM Application Toolkit command from the UICC the ME shall perform the FETCH command to retrieve the proactive UICC command. The result of the executed command shall be transmitted from the ME to the UICC within a TERMINAL RESPONSE command.

The MORE TIME proactive command is used in this test. The ME shall have knowledge of this command, but may not support this USIM Application Toolkit facility.

- TS 31.111 [15] clause 6.3.

27.22.3.3 Test purpose

To verify that the ME uses the FETCH command to obtain the proactive UICC command, after detection of a pending proactive UICC command. The pending proactive UICC command is indicated by the response parameters '91 xx' from the UICC.

To verify that the ME transmits the result of execution of the proactive UICC command to the UICC in the TERMINAL RESPONSE command.

27.22.3.4 Method of test

27.22.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as the USIM Application Toolkit default.

The USIM Simulator is configured to indicate that a proactive UICC command is pending.

The USIM Simulator is configured to monitor the UICC - ME interface.

27.22.3.4.2 Procedure

- a) The ME is powered on.
- b) After the ME has performed the PROFILE DOWNLOAD procedure, the USIM Simulator indicates that a Proactive UICC Command is pending with SW1 / SW2 of '91 0B'.
- c) After the ME sends the FETCH command to the USIM Simulator, the USIM Simulator returns Proactive UICC Command 2.1: MORE TIME.

27.22.3.5 Test requirement

- 1) After step b) the ME shall send the FETCH command to the UICC.
- 2) After step c) the ME shall send the TERMINAL REPONSE command with command number "01", type of command "02" and command qualifier "00".

27.22.4 Proactive UICC commands

27.22.4.1 DISPLAY TEXT

27.22.4.1.1 DISPLAY TEXT (Normal)

27.22.4.1.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.1.2 Conformance requirements

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

TS 31.111 [15], clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.31.

27.22.4.1.1.3 Test purpose

To verify that the ME displays the text contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.1.4 Method of test

27.22.4.1.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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.

27.22.4.1.1.4.2 Procedure

Expected Sequence 1.1 (DISPLAY TEXT normal priority, Unpacked 8 bit data for Text String, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (DISPLAY TEXT normal priority, Unpacked 8 bit data for Text String, screen busy)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (DISPLAY TEXT, high priority, Unpacked 8 bit data for Text String, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.3.

Expected Sequence 1.4 (DISPLAY TEXT, Packed, SMS default alphabet, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (DISPLAY TEXT, Clear message after delay, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.5.

Expected Sequence 1.6 (DISPLAY TEXT, Text string with 160 bytes, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.6.

Expected Sequence 1.7 (DISPLAY TEXT, Backward move in UICC session, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.7.

Expected Sequence 1.8 (DISPLAY TEXT, session terminated by user)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.8.

Expected Sequence 1.9 (DISPLAY TEXT, icon and text to be displayed, no text string given, not understood by ME)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.1.4.2, Expected Sequence 1.9.

27.22.4.1.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.9.

27.22.4.1.2 DISPLAY TEXT (Support of "No response from user")

27.22.4.1.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.2.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

27.22.4.1.2.3 Test purpose

To verify that the ME displays the text contained in the DISPLAY TEXT proactive UICC command, and returns a "No response from user" result value in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.2.4 Method of test

27.22.4.1.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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 as declared in table A.2/1..

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

27.22.4.1.2.4.2 Procedure

Expected Sequence 2.1 (DISPLAY TEXT, no response from user)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.2.4.2, Expected Sequence.

2.1.27.22.4.1.2.5 Test requirement

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

27.22.4.1.3 DISPLAY TEXT (Display of extension text)

27.22.4.1.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.3.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.15.

27.22.4.1.3.3 Test purpose

To verify that the ME displays the extension text contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.3.4 Method of test

27.22.4.1.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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.

27.22.4.1.3.4.2 Procedure

Expected Sequence 3.1 (DISPLAY TEXT, display of the extension text)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.3.4.2, Expected Sequence 3.1.

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 DISPLAY TEXT (Sustained text)

27.22.4.1.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.4.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.6.1, clause 6.11, clause 8.6, clause 8.15, clause 8.15.

27.22.4.1.4.3 Test purpose

To verify that the ME displays the text contained in the DISPLAY TEXT proactive UICC command, returns a successful result in the TERMINAL RESPONSE command send to the UICC and sustain the display beyond sending the TERMINAL response.

27.22.4.1.4.4 Method of test

27.22.4.1.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as USIM Application Toolkit default.

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.

27.22.4.1.4.4.2 Procedure

Expected Sequence 4.1 (DISPLAY TEXT, sustained text, unpacked data 8 bits, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.4.4.2, Expected Sequence 4.1.

Expected Sequence 4.2 (DISPLAY TEXT, sustained text, clear message after delay, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.4.4.2, Expected Sequence 4.2.

Expected Sequence 4.3 (DISPLAY TEXT, sustained text, wait for user MMI to clear, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.4.4.2, Expected Sequence 4.3.

Expected Sequence 4.4 (DISPLAY TEXT, sustained text, wait for high priority event to clear, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: DISPLAY TEXT 4.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[wait for user to clear message]
		DISPLAY TEXT 4.4.1	
4	$ME \rightarrow USER$	Display "Toolkit Test 4"	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully]
		DISPLAY TEXT 4.4.1	
6	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
7	$ME \rightarrow USER$	Display of "Toolkit Test 4"	Text shall sustain until - a higher priority event
			occurs.
8	$USS \to ME$	INCOMING MOBILE	
		TERMINATED CALL	

PROACTIVE COMMAND: DISPLAY TEXT 4.4.1

Logically:

Command details

Command number: 1

Command type: DISPLAY TEXT

Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: UICC
Destination device: Display

Text String

Data coding scheme: unpacked, 8 bit data Text: "Toolkit Test 4"

Immediate Response

Coding:

BER-TLV:	D0	1C	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	34	AB	00						

TERMINAL RESPONSE: DISPLAY TEXT 4.4.1

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: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	21	80	82	02	82	81	83	01	00	l
													l

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 DISPLAY TEXT (Display of icons)

27.22.4.1.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.5.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.31.

27.22.4.1.5.3 Test purpose

To verify that the ME displays the icons which are referred to in the contents of the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.5.4 Method of test

27.22.4.1.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.1.5.4.2 Procedure

Expected Sequence 5.1A (DISPLAY TEXT, display of basic icon, self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.5.4.2, Expected Sequence 5.1A.

Expected Sequence 5.1B (DISPLAY TEXT, display of basic icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.5.4.2, Expected Sequence 5.1B.

Expected Sequence 5.2A (DISPLAY TEXT, display of colour icon, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.5.4.2, Expected Sequence 5.2A.

Expected Sequence 5.2B (DISPLAY TEXT, display of colour icon, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.5.4.2, Expected Sequence 5.2B.

Expected Sequence 5.3A (DISPLAY TEXT, display of basic icon, not self explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.5.4.2, Expected Sequence 5.3A.

Expected Sequence 5.3B (DISPLAY TEXT, display of basic icon, not self explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.5.4.2, Expected Sequence 5.3B.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 DISPLAY TEXT (UCS2 display in Cyrillic)

27.22.4.1.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.6.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.31.

The ME shall support the UCS2 alphabet for the coding of the Cyrillic alphabet, as defined in the following technical specification: ISO/IEC 10646 [17].

27.22.4.1.6.3 Test purpose

To verify that the ME displays the text contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.6.4 Method of test

27.22.4.1.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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.

27.22.4.1.6.4.2 Procedure

Expected Sequence 6.1 (DISPLAY TEXT, UCS2 coded in Cyrillic)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.6.4.2, Expected Sequence 6.1.

27.22.4.1.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.1.7 DISPLAY TEXT (Variable Time out)

27.22.4.1.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.7.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31 and clause 8.43.

The ME shall support the variable time out for the display text.

27.22.4.1.7.3 Test purpose

To verify that the ME displays the text contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.7.4 Method of test

27.22.4.1.7.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.7.4.2 Procedure

Expected Sequence 7.1 (DISPLAY TEXT, variable timeout of 10 seconds)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.7.4.2, Expected Sequence 7.1.

27.22.4.1.7.5 Test requirement

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

27.22.4.1.8 DISPLAY TEXT (Support of Text Attribute)

27.22.4.1.8.1 DISPLAY TEXT (Support of Text Attribute – Left Alignment)

27.22.4.1.8.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.1.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with Left Alignment for the display text.

27.22.4.1.8.1.3 Test purpose

To verify that the ME displays the text formatted according to the left alignment text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.1.4 Method of test

27.22.4.1.8.1.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.1.4.2 Procedure

Expected Sequence 8.1 (DISPLAY TEXT, Text Attribute with Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.1.4.2, Expected Sequence 8.1.

27.22.4.1.8.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.1.

27.22.4.1.8.2 DISPLAY TEXT (Support of Text Attribute – Center Alignment)

27.22.4.1.8.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.2.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with Centre Alignment for the display text.

27.22.4.1.8.2.3 Test purpose

To verify that the ME displays the text formatted according to the center alignment text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.2.4 Method of test

27.22.4.1.8.2.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.2.4.2 Procedure

Expected Sequence 8.2 (DISPLAY TEXT, Text Attribute with Center Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.2.4.2, Expected Sequence 8.2.

27.22.4.1.8.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.2.

27.22.4.1.8.3 DISPLAY TEXT (Support of Text Attribute – Right Alignment)

27.22.4.1.8.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.3.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with Right Alignment for the display text.

27.22.4.1.8.3.3 Test purpose

To verify that the ME displays the text formatted according to the right alignment text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.3.4 Method of test

27.22.4.1.8.3.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.3.4.2 Procedure

Expected Sequence 8.3 (DISPLAY TEXT, Text Attribute with Right Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.3.4.2, Expected Sequence 8.3.

27.22.4.1.8.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.3.

27.22.4.1.8.4 DISPLAY TEXT (Support of Text Attribute – Large Font Size)

27.22.4.1.8.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.4.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with large font size for the display text.

27.22.4.1.8.4.3 Test purpose

To verify that the ME displays the text formatted according to the large size font text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.4.4 Method of test

27.22.4.1.8.4.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.4.4.2 Procedure

Expected Sequence 8.4 (DISPLAY TEXT, Text Attribute with Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.4.4.2, Expected Sequence 8.4.

27.22.4.1.8.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.4.

27.22.4.1.8.5 DISPLAY TEXT (Support of Text Attribute – Small Font Size)

27.22.4.1.8.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.5.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with small font size for the display text.

27.22.4.1.8.5.3 Test purpose

To verify that the ME displays the text formatted according to the small size font text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.5.4 Method of test

27.22.4.1.8.5.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.5.4.2 Procedure

Expected Sequence 8.5 (DISPLAY TEXT, Text Attribute with Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.5.4.2, Expected Sequence 8.5.

27.22.4.1.8.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.5.

27.22.4.1.8.6 DISPLAY TEXT (Support of Text Attribute – Bold On)

27.22.4.1.8.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.6.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with bold on for the display text.

27.22.4.1.8.6.3 Test purpose

To verify that the ME displays the text formatted according to the bold text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.6.4 Method of test

27.22.4.1.8.6.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.6.4.2 Procedure

Expected Sequence 8.6 (DISPLAY TEXT, Text Attribute with Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.6.4.2, Expected Sequence 8.6.

27.22.4.1.8.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.6.

27.22.4.1.8.7 DISPLAY TEXT (Support of Text Attribute – Italic On)

27.22.4.1.8.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.7.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with italic on for the display text.

27.22.4.1.8.7.3 Test purpose

To verify that the ME displays the text formatted according to the italic text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.7.4 Method of test

27.22.4.1.8.7.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.7.4.2 Procedure

Expected Sequence 8.7 (DISPLAY TEXT, Text Attribute with Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.7.4.2, Expected Sequence 8.7.

27.22.4.1.8.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.7.

27.22.4.1.8.8 DISPLAY TEXT (Support of Text Attribute – Underline On)

27.22.4.1.8.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.8.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with underline on for the display text.

27.22.4.1.8.8.3 Test purpose

To verify that the ME displays the text formatted according to the underline text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.8.4 Method of test

27.22.4.1.8.8.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.8.4.2 Procedure

Expected Sequence 8.8 (DISPLAY TEXT, Text Attribute with Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.8.4.2, Expected Sequence 8.8.

27.22.4.1.8.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.8.

27.22.4.1.8.9 DISPLAY TEXT (Support of Text Attribute – Strikethrough On)

27.22.4.1.8.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.9.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with underline on for the display text.

27.22.4.1.8.9.3 Test purpose

To verify that the ME displays the text formatted according to the strikethrough text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.9.4 Method of test

27.22.4.1.8.9.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.9.4.2 Procedure

Expected Sequence 8.9 (DISPLAY TEXT, Text Attribute with Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.9.4.2, Expected Sequence 8.9.

27.22.4.1.8.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.9.

27.22.4.1.8.10 DISPLAY TEXT (Support of Text Attribute – Foreground and Background Colours)

27.22.4.1.8.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.8.10.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.31, clause 8.43 and clause 8.70.

The ME shall support the text attribute with different foreground and background colours for the display text.

27.22.4.1.8.10.3 Test purpose

To verify that the ME displays the text formatted according to the foreground and background colour text attribute configuration contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.8.10.4 Method of test

27.22.4.1.8.10.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.1.8.10.4.2 Procedure

Expected Sequence 8.10 (DISPLAY TEXT, Text Attribute with Foreground and Background Colours)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.8.10.4.2, Expected Sequence 8.10.

27.22.4.1.8.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.10.

27.22.4.1.9 DISPLAY TEXT (UCS2 display in Chinese)

27.22.4.1.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.9.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.31.

The ME shall support the UCS2 alphabet for the coding of the Chinese characters, as defined in the following technical specification: ISO/IEC 10646 [17].

27.22.4.1.9.3 Test purpose

To verify that the ME displays the text contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.9.4 Method of test

27.22.4.1.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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.

27.22.4.1.9.4.2 Procedure

Expected Sequence 9.1 (DISPLAY TEXT, UCS2 coded – Chinese characters)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.9.4.2, Expected Sequence 9.1.

27.22.4.1.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.1.

27.22.4.1.10 DISPLAY TEXT (UCS2 display in Katakana)

27.22.4.1.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.1.10.2 Conformance requirement

The ME shall support the DISPLAY TEXT command as defined in the following technical specifications:

TS 31.111 [15] clause 5.2, clause 6.4.1, clause 6.5.4, clause 6.6.1, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.31.

The ME shall support the UCS2 alphabet for the coding of the Katakana characters, as defined in the following technical specification: ISO/IEC 10646 [17].

27.22.4.1.10.3 Test purpose

To verify that the ME displays the text contained in the DISPLAY TEXT proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.1.10.4 Method of test

27.22.4.1.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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.

27.22.4.1.10.4.2 Procedure

Expected Sequence 10.1 (DISPLAY TEXT, UCS2 coded – Katakana characters)

See ETSI TS 102 384 [26] in subclause 27.22.4.1.10.4.2, Expected Sequence 10.1.

27.22.4.1.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 10.1.

27.22.4.2 GET INKEY

27.22.4.2.1 GET INKEY(normal)

27.22.4.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.1.2 Conformance Requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

27.22.4.2.1.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the single character entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.1.4 Method of test

27.22.4.2.1.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be set to a display other than the idle display.

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)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (GET INKEY, digits only for character set, SMS default Alphabet for Text String, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (GET INKEY, backward move)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.1.4.2, Expected Sequence 1.3.

Expected Sequence 1.4 (GET INKEY, abort)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.1.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (GET INKEY, SMS default alphabet for character set, Unpacked 8 bit data for Text String, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.1.4.2, Expected Sequence 1.5.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.2.1.4.2, Expected Sequence 1.6.

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 GET INKEY (No response from User)

27.22.4.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.2.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

27.22.4.2.2.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns a "No response from user" result value in the TERMINAL RESPONSE command send to the UICC.

27.22.4.2.2.4 Method of test

27.22.4.2.2.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

ME Manufacturers shall set the "no response from user" period of time as declared in table A.2/2.

The USIM Simulator shall be set to that period of time.

27.22.4.2.4.2 Procedure

Expected Sequence 2.1 (GET INKEY, no response from the user)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.2.4.2, Expected Sequence 2.1.

27.22.4.2.2.5 Test requirement

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

27.22.4.2.3 GET INKEY (UCS2 display in Cyrillic)

27.22.4.2.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.3.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally, the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.2.3.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.3.4 Method of test

27.22.4.2.3.4.1 Initial conditions

The ME is connected to the USIM 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 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 in Cyrillic, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.3.4.2, Expected Sequence 3.1.

Expected Sequence 3.2 (GET INKEY, max length for the Text String coding in UCS2 Alphabet in Cyrillic, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.3.4.2, Expected Sequence 3.2.

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 GET INKEY (UCS2 entry in Cyrillic)

27.22.4.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.4.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally, the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.2.4.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.4.4 Method of test

27.22.4.2.4.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.2.4.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.2.4.2, Expected Sequence 4.1.

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 GET INKEY ("Yes/No" Response)

27.22.4.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.5.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

27.22.4.2.5.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.5.4 Method of test

27.22.4.2.5.4.1 Initial conditions

The ME is connected to the USIM 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 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)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.5.4.2, Expected Sequence 5.1.

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 GET INKEY (display of Icon)

27.22.4.2.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.6.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.31.

27.22.4.2.6.3 Test purpose

To verify that the ME displays the Icon contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.6.4 Method of test

27.22.4.2.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.6.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.2.6.4.2, Expected Sequence 6.1A.

Expected Sequence 6.1B (GET INKEY, Basic icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.6.4.2, Expected Sequence 6.1B.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.2.6.4.2, Expected Sequence 6.2A.

Expected Sequence 6.2B (GET INKEY, Basic icon, non self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.6.4.2, Expected Sequence 6.2B.

Expected Sequence 6.3A (GET INKEY, Colour icon, self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.6.4.2, Expected Sequence 6.3A.

Expected Sequence 6.3B (GET INKEY, Colour icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.6.4.2, Expected Sequence 6.3B.

Expected Sequence 6.4A (GET INKEY, Colour icon, non self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.6.4.2, Expected Sequence 6.4A.

Expected Sequence 6.4B (GET INKEY, Colour icon, non self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.6.4.2, Expected Sequence 6.4B.

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 GET INKEY (Help Information)

27.22.4.2.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.7.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.31.

27.22.4.2.7.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.7.4 Method of test

27.22.4.2.7.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.7.4.2 Procedure

Expected Sequence 7.1 (GET INKEY, help information available)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.7.4.2, Expected Sequence 7.1.

27.22.4.2.7.5 Test requirement

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

27.22.4.2.8 GET INKEY (Variable Time out)

27.22.4.2.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.8.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.31.

27.22.4.2.8.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

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27.22.4.2.8.4 Method of test

27.22.4.2.8.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.8.4.2 Procedure

Expected Sequence 8.1 (GET INKEY, variable time out of 10 seconds)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.8.4.2, Expected Sequence 8.1.

27.22.4.2.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.1.

27.22.4.2.9 GET INKEY (Support of Text Attribute)

27.22.4.2.9.1 GET INKEY (Support of Text Attribute – Left Alignment)

27.22.4.2.9.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.1.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.1.3 Test purpose

To verify that the ME displays the text formatted according to the left alignment text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.9.1.4 Method of test

27.22.4.2.9.1.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.1.4.2 Procedure

Expected Sequence 9.1 (GET INKEY, Text attribute with Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.1.4.2, Expected Sequence 9.1.

27.22.4.2.9.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.1.

27.22.4.2.9.2 GET INKEY (Support of Text Attribute – Center Alignment)

27.22.4.2.9.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.2.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.2.3 Test purpose

To verify that the ME displays the text formatted according to the center alignment text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.9.2.4 Method of test

27.22.4.2.9.2.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.2.4.2 Procedure

Expected Sequence 9.2 (GET INKEY, Text attribute with Center Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.2.4.2, Expected Sequence 9.2.

27.22.4.2.9.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.2.

27.22.4.2.9.3 GET INKEY (Support of Text Attribute – Right Alignment)

27.22.4.2.9.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.3.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.3.3 Test purpose

To verify that the ME displays the text formatted according to the right alignment text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

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27.22.4.2.9.3.4 Method of test

27.22.4.2.9.3.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.3.4.2 Procedure

Expected Sequence 9.3 (GET INKEY, Text attribute with Right Alignment)

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See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.3.4.2, Expected Sequence 9.3.

27.22.4.2.9.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.3.

27.22.4.2.9.4 GET INKEY (Support of Text Attribute – Large Font Size)

27.22.4.2.9.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.4.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.4.3 Test purpose

To verify that the ME displays the text formatted according to the large font size text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.9.4.4 Method of test

27.22.4.2.9.4.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.4.4.2 Procedure

Expected Sequence 9.4 (GET INKEY, Text attribute with Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.4.4.2, Expected Sequence 9.4.

27.22.4.2.9.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.4.

27.22.4.2.9.5 GET INKEY (Support of Text Attribute – Small Font Size)

27.22.4.2.9.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.5.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.5.3 Test purpose

To verify that the ME displays the text formatted according to the small font size text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.9.5.4 Method of test

27.22.4.2.9.5.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.5.4.2 Procedure

Expected Sequence 9.5 (GET INKEY, Text attribute with Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.5.4.2, Expected Sequence 9.5.

27.22.4.2.9.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.5.

27.22.4.2.9.6 GET INKEY (Support of Text Attribute – Bold On)

27.22.4.2.9.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.6.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.6.3 Test purpose

To verify that the ME displays the text formatted according to the bold text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

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27.22.4.2.9.6.4 Method of test

27.22.4.2.9.6.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.6.4.2 Procedure

Expected Sequence 9.6 (GET INKEY, Text attribute with Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.6.4.2, Expected Sequence 9.6.

27.22.4.2.9.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.6.

27.22.4.2.9.7 GET INKEY (Support of Text Attribute – Italic On)

27.22.4.2.9.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.7.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.7.3 Test purpose

To verify that the ME displays the text formatted according to the italic text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.9.7.4 Method of test

27.22.4.2.9.7.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.7.4.2 Procedure

Expected Sequence 9.7 (GET INKEY, Text attribute with Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.7.4.2, Expected Sequence 9.7.

27.22.4.2.9.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.7.

27.22.4.2.9.8 GET INKEY (Support of Text Attribute – Underline On)

27.22.4.2.9.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.8.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.8.3 Test purpose

To verify that the ME displays the text formatted according to the underline text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.9.8.4 Method of test

27.22.4.2.9.8.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.8.4.2 Procedure

Expected Sequence 9.8 (GET INKEY, Text attribute with Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.8.4.2, Expected Sequence 9.8.

27.22.4.2.9.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.8.

27.22.4.2.9.9 GET INKEY (Support of Text Attribute – Strikethrough On)

27.22.4.2.9.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.9.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.9.3 Test purpose

To verify that the ME displays the text formatted according to the strikethrough text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.9.9.4 Method of test

27.22.4.2.9.9.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.9.4.2 Procedure

Expected Sequence 9.9 (GET INKEY, Text attribute with Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.9.4.2, Expected Sequence 9.9.

27.22.4.2.9.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.9.

27.22.4.2.9.10 GET INKEY (Support of Text Attribute – Foreground and Background Colour)

27.22.4.2.9.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.9.10.2 Conformance requirement

The ME shall support the GET INKEY command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.5.4, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.8, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3, clause 8.31 and clause 8.70.

27.22.4.2.9.10.3 Test purpose

To verify that the ME displays the text formatted according to the foreground and background colour text attribute configuration contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.9.10.4 Method of test

27.22.4.2.9.10.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.2.9.10.4.2 Procedure

Expected Sequence 9.10 (GET INKEY, Text attribute with Foreground and Background Colour)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.9.10.4.2, Expected Sequence 9.10.

27.22.4.2.9.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.10.

27.22.4.2.10 GET INKEY (UCS2 display in Chinese)

27.22.4.2.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.10.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally, the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.2.10.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.10.4 Method of test

27.22.4.2.10.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.2.10.4.2 Procedure

Expected Sequence 10.1 (GET INKEY, Text String coding in UCS2 Alphabet - Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.10.4.2, Expected Sequence 10.1.

Expected Sequence 10.2 (GET INKEY, max length for the Text String coding in UCS2 Alphabet - Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.10.4.2, Expected Sequence 10.2.

27.22.4.2.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 10.1 to 10.2.

27.22.4.2.11 GET INKEY (UCS2 entry in Chinese)

27.22.4.2.11.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.11.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally, the ME shall support the UCS2 facility for the coding of the Chinese character, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.2.11.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.11.4 Method of test

27.22.4.2.11.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.2.11.4.2 Procedure

Expected Sequence 11.1 (GET INKEY, characters from UCS2 alphabet - Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.11.4.2, Expected Sequence 11.1.

27.22.4.2.11.5 Test requirement

The ME shall operate in the manner defined in expected sequence 11.1

27.22.4.2.12 GET INKEY (UCS2 display in Katakana)

27.22.4.2.12.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.12.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally, the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.2.12.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.12.4 Method of test

27.22.4.2.12.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.2.12.4.2 Procedure

Expected Sequence 12.1 (GET INKEY, Text String coding in UCS2 Alphabet - Katakana characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.12.4.2, Expected Sequence 12.1.

Expected Sequence 12.2 (GET INKEY, max length for the Text String coding in UCS2 Alphabet - Katakana characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.12.4.2, Expected Sequence 12.2.

27.22.4.2.12.5 Test requirement

The ME shall operate in the manner defined in expected sequence 12.1 to 12.2.

27.22.4.2.13 GET INKEY (UCS2 entry in Katakana)

27.22.4.2.13.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.13.2 Conformance requirement

The ME shall support the GET INKEY command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.2, clause 6.6.2, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally, the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.2.13.3 Test purpose

To verify that the ME displays the text contained in the GET INKEY proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.2.13.4 Method of test

27.22.4.2.13.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.2.13.4.2 Procedure

Expected Sequence 13.1 (GET INKEY, characters from UCS2 alphabet - Katakana characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.2.13.4.2, Expected Sequence 13.1.

27.22.4.2.13.5 Test requirement

The ME shall operate in the manner defined in expected sequence 13.1

27.22.4.3. GET INPUT

27.22.4.3.1 GET INPUT (normal)

27.22.4.3.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.1.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

27.22.4.3.1.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.1.4 Method of test

27.22.4.3.1.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.1.4.2 Procedure

Expected Sequence 1.1 (GET INPUT, digits only, SMS default alphabet, ME to echo text, ME supporting 8 bit data Message)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.1.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (GET INPUT, character set, SMS Default Alphabet, ME to echo text, ME supporting 8 bit data Message)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.3.

Expected Sequence 1.4 (GET INPUT, digits only, SMS default alphabet, ME to hide text, ME supporting 8 bit data Message)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (GET INPUT, digits only, SMS default alphabet, ME to echo text, ME supporting 8 bit data Message)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.5.

Expected Sequence 1.6 (GET INPUT, backwards move)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.6.

Expected Sequence 1.7 (GET INPUT, abort)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.7.

Expected Sequence 1.8 (GET INPUT, digits only, SMS default alphabet, ME to echo text, ME supporting 8 bit data Message)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.8.

Expected Sequence 1.9 (GET INPUT, digits only, SMS default alphabet, ME to echo text, ME supporting 8 bit data Message)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.9.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.3.1.4.2, Expected Sequence 1.10.

27.22.4.3.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.10.

27.22.4.3.2 GET INPUT (No response from User)

27.22.4.3.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.2.2 Conformance requirement

The ME shall support the GET INPUT command as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

27.22.4.3.2.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns a "No response from user" result value in the TERMINAL RESPONSE command send to the UICC.

27.22.4.3.2.4 Method of test

27.22.4.3.2.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

ME Manufacturers shall set the "no response from user" period of time as declared in table A.2/3.

The USIM Simulator shall be set to that period of time.

27.22.4.3.2.4.2 Procedure

Expected Sequence 2.1 (GET INPUT, no response from the user)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.2.4.2, Expected Sequence 2.1.

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 GET INPUT (UCS2 display in Cyrillic)

27.22.4.3.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.3.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.3.3.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.3.4 Method of test

27.22.4.3.3.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.3.3.4.2 Procedure

Expected Sequence 3.1 (GET INPUT, text string coding in UCS2 in Cyrillic, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.3.4.2, Expected Sequence 3.1.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.3.3.4.2, Expected Sequence 3.2.

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 GET INPUT (UCS2 entry in Cyrillic)

27.22.4.3.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.4.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in ISO/IEC 10646 [17].

27.22.4.3.4.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.4.4 Method of test

27.22.4.3.4.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.3.4.4.2 Procedure

Expected Sequence 4.1 (GET INPUT, character set from UCS2 alphabet in Cyrillic, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.4.4.2, Expected Sequence 4.1.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.3.4.4.2, Expected Sequence 4.2.

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 GET INPUT (default text)

27.22.4.3.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.5.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.23.

27.22.4.3.5.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

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27.22.4.3.5.4 Method of test

27.22.4.3.5.4.1 Initial conditions

The ME is connected to the USIM 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 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)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.5.4.2, Expected Sequence 5.1.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.3.5.4.2, Expected Sequence 5.2.

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)

27.22.4.3.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.6.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.5.4, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 12.31.

27.22.4.3.6.3 Test purpose

To verify that the ME displays the Icon contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.6.4 Method of test

27.22.4.3.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.3.6.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.3.6.4.2, Expected Sequence 6.1A.

Expected Sequence 6.1B (GET INPUT, Basic icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.6.4.2, Expected Sequence 6.1B.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.3.6.4.2, Expected Sequence 6.2A.

Expected Sequence 6.2B (GET INPUT, Basic icon, non self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.6.4.2, Expected Sequence 6.2B.

Expected Sequence 6.3A (GET INPUT, Colour icon, self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.6.4.2, Expected Sequence 6.3A.

Expected Sequence 6.3B (GET INPUT, Colour icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.6.4.2, Expected Sequence 6.3B.

Expected Sequence 6.4A (GET INPUT, Colour icon, non self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.6.4.2, Expected Sequence 6.4A.

Expected Sequence 6.4B (GET INPUT, Colour icon, non self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.6.4.2, Expected Sequence 6.4B.

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 GET INPUT (Help Information)

27.22.4.3.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.7.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

27.22.4.3.7.3 Test purpose

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

27.22.4.3.7.4 Method of test

27.22.4.3.7.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.7.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.3.7.4.2, Expected Sequence 7.1.

27.22.4.3.7.5 Test requirement

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

27.22.4.3.8 GET INPUT (Support of Text Attribute)

27.22.4.3.8.1 GET INPUT (Support of Text Attribute – Left Alignment)

27.22.4.3.8.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.1.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.1.3 Test purpose

To verify that the ME displays the text formatted according to the left alignment text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.1.4 Method of test

27.22.4.3.8.1.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.1.4.2 Procedure

Expected Sequence 8.1 (GET INPUT, Text attribute – Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.1.4.2, Expected Sequence 8.1.

27.22.4.3.8.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.1.

27.22.4.3.8.2 GET INPUT (Support of Text Attribute – Center Alignment)

27.22.4.3.8.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.2.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.2.3 Test purpose

To verify that the ME displays the text formatted according to the center alignment text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.2.4 Method of test

27.22.4.3.8.2.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.2.4.2 Procedure

Expected Sequence 8.2 (GET INPUT, Text attribute – Center Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.2.4.2, Expected Sequence 8.2.

27.22.4.3.8.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.2.

27.22.4.3.8.3 GET INPUT (Support of Text Attribute – Right Alignment)

27.22.4.3.8.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.3.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.3.3 Test purpose

To verify that the ME displays the text formatted according to the right alignment text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.3.4 Method of test

27.22.4.3.8.3.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.3.4.2 Procedure

Expected Sequence 8.3 (GET INPUT, Text attribute – Right Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.3.4.2, Expected Sequence 8.3.

27.22.4.3.8.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.3.

27.22.4.3.8.4 GET INPUT (Support of Text Attribute – Large Font Size)

27.22.4.3.8.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.4.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.4.3 Test purpose

To verify that the ME displays the text formatted according to the large font size text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.4.4 Method of test

27.22.4.3.8.4.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.4.4.2 Procedure

Expected Sequence 8.4 (GET INPUT, Text attribute - Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.4.4.2, Expected Sequence 8.4.

27.22.4.3.8.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.4.

27.22.4.3.8.5 GET INPUT (Support of Text Attribute – Small Font Size)

27.22.4.3.8.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.5.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.5.3 Test purpose

To verify that the ME displays the text formatted according to the small font size text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.5.4 Method of test

27.22.4.3.8.5.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.5.4.2 Procedure

Expected Sequence 8.5 (GET INPUT, Text attribute – Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.5.4.2, Expected Sequence 8.5.

27.22.4.3.8.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.5.

27.22.4.3.8.6 GET INPUT (Support of Text Attribute – Bold On)

27.22.4.3.8.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.6.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.6.3 Test purpose

To verify that the ME displays the text formatted according to the bold text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.6.4 Method of test

27.22.4.3.8.6.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.6.4.2 Procedure

Expected Sequence 8.6 (GET INPUT, Text attribute – Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.6.4.2, Expected Sequence 8.6.

27.22.4.3.8.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.6.

27.22.4.3.8.7 GET INPUT (Support of Text Attribute – Italic On)

27.22.4.3.8.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.7.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.7.3 Test purpose

To verify that the ME displays the text formatted according to the italic text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.7.4 Method of test

27.22.4.3.8.7.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.7.4.2 Procedure

Expected Sequence 8.7 (GET INPUT, Text attribute – Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.7.4.2, Expected Sequence 8.7.

27.22.4.3.8.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.7.

27.22.4.3.8.8 GET INPUT (Support of Text Attribute – Underline On)

27.22.4.3.8.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.8.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.8.3 Test purpose

To verify that the ME displays the text formatted according to the underline text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.8.4 Method of test

27.22.4.3.8.8.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.8.4.2 Procedure

Expected Sequence 8.8 (GET INPUT, Text attribute – Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.8.4.2, Expected Sequence 8.8.

27.22.4.3.8.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.8.

27.22.4.3.8.9 GET INPUT (Support of Text Attribute – Strikethrough On)

27.22.4.3.8.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.9.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.9.3 Test purpose

To verify that the ME displays the text formatted according to the strikethrough text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.9.4 Method of test

27.22.4.3.8.9.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.9.4.2 Procedure

Expected Sequence 8.9 (GET INPUT, Text attribute – Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.9.4.2, Expected Sequence 8.9.

27.22.4.3.8.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.9.

27.22.4.3.8.10 GET INPUT (Support of Text Attribute – Foreground and Background Colour)

27.22.4.3.8.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.8.10.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2, clause 8.15.3 and clause 8.70.

27.22.4.3.8.10.3 Test purpose

To verify that the ME displays the text formatted according to the fore- and background colour text attribute configuration contained in the GET INPUT proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.8.10.4 Method of test

27.22.4.3.8.10.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.3.8.10.4.2 Procedure

Expected Sequence 8.10 (GET INPUT, Text attribute – Foreground and Background Colour)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.8.10.4.2, Expected Sequence 8.10.

27.22.4.3.8.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.10.

27.22.4.3.9 GET INPUT (UCS2 display in Chinese)

27.22.4.3.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.9.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese character, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.3.9.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.9.4 Method of test

27.22.4.3.9.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.3.9.4.2 Procedure

Expected Sequence 9.1 (GET INPUT, text string coding in UCS2 - Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.9.4.2, Expected Sequence 9.1.

Expected Sequence 9.2 (GET INPUT, max length for the text string coding in UCS2 - Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.9.4.2, Expected Sequence 9.2.

27.22.4.3.9.5 Test requirement

The ME shall operate in the manner defined in expected sequences 9.1 to 9.2

27.22.4.3.10 GET INPUT (UCS2 entry in Chinese)

27.22.4.3.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.10.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese character, as defined in ISO/IEC 10646 [17].

27.22.4.3.10.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.10.4 Method of test

27.22.4.3.10.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.3.10.4.2 Procedure

Expected Sequence 10.1 (GET INPUT, character set from UCS2 alphabet - Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.10.4.2, Expected Sequence 10.1.

Expected Sequence 10.2 (GET INPUT, character set from UCS2 alphabet - Chinese characters, Max length for the input, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.10.4.2, Expected Sequence 10.2.

27.22.4.3.10.5 Test requirement

The ME shall operate in the manner defined in expected sequences 10.1 to 10.2

27.22.4.3.11 GET INPUT (UCS2 display in Katakana)

27.22.4.3.11.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.11.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.3.11.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.11.4 Method of test

27.22.4.3.11.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.3.11.4.2 Procedure

Expected Sequence 11.1 (GET INPUT, text string coding in UCS2 in Katakana, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.11.4.2, Expected Sequence 11.1.

Expected Sequence 11.2 (GET INPUT, max length for the text string coding in UCS2 in Katakana, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.11.4.2, Expected Sequence 11.2.

27.22.4.3.11.5 Test requirement

The ME shall operate in the manner defined in expected sequences 11.1 to 11.2

27.22.4.3.12 GET INPUT (UCS2 entry in Katakana)

27.22.4.3.12.1 Definition and applicability

See clause 3.2.2.

27.22.4.3.12.2 Conformance requirement

The ME shall support the GET INPUT command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.11, clause 8.15, clause 8.15.1, clause 8.15.2 and clause 8.15.3.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese character, as defined in ISO/IEC 10646 [17].

27.22.4.3.12.3 Test purpose

To verify that the ME displays the text contained in the GET INPUT proactive UICC command, and returns the text string entered in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.3.12.4 Method of test

27.22.4.3.12.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.3.12.4.2 Procedure

Expected Sequence 12.1 (GET INPUT, character set from UCS2 alphabet in Katakana, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.12.4.2, Expected Sequence 12.1.

Expected Sequence 12.2 (GET INPUT, character set from UCS2 alphabet in Katakana, Max length for the input, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.3.12.4.2, Expected Sequence 12.2.

27.22.4.3.12.5 Test requirement

The ME shall operate in the manner defined in expected sequences 12.1 to 12.2.

27.22.4.4 MORE TIME

27.22.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.4.2 Conformance requirement

The ME shall support the MORE TIME command as defined in:

- TS 31.111 [15] clause 6.4.4, clause 6.6.4, clause 5.2, clause 8.6 and clause 8.7.

27.22.4.4.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (OK) to the UICC after the ME receives the MORE TIME proactive UICC command.

27.22.4.4.4 Method of test

27.22.4.4.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.4.4.2 Procedure

Expected Sequence 1.1 (MORE TIME)

See ETSI TS 102 384 [26] in subclause 27.22.4.4.4.2, Expected Sequence 1.1.

27.22.4.4.5 Test requirement

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

27.22.4.5 PLAY TONE

27.22.4.5.1 PLAY TONE (Normal)

27.22.4.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.1.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.16 and clause 8.8.

27.22.4.5.1.3 Test purpose

To verify that the ME plays an audio tone of a type and duration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece whilst not in call and shall superimpose the tone on top of the downlink audio whilst in call.

To verify that the ME displays the text contained in the PLAY TONE proactive UICC command.

27.22.4.5.1.4 Method of test

27.22.4.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. 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 ME screen shall be in its normal stand-by display.

27.22.4.5.1.4.2 Procedure

Expected Sequence 1.1 (PLAY TONE)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.1.1	
4	$ME \rightarrow USER$	Display "Dial Tone"	
	WL → OOLK	Play a standard supervisory dial	
		tone through the external ringer for	
		a duration of 5 s	
5	$ME \to UICC$	TERMINAL RESPONSE: PLAY TONE 1.1.1	[Command performed successfully]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
	Oloo / ML	ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.2	
8	$ME \rightarrow UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
10	$ME \rightarrow USER$	TONE 1.1.2 Display "Sub. Busy"	
10	WE → USEK	Play a standard supervisory called	
		subscriber busy tone for a duration	
		of 5 s	
11	$ME \to UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
40		TONE 1.1.2	
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND	
	Oloo / ML	PENDING: PLAY TONE 1.1.3	
14	$ME \to UICC$	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
4.0		TONE 1.1.3	
16	$ME \rightarrow USER$	Display "Congestion" Play a standard supervisory	
		congestion tone for a duration of 5	
		s	
17	$ME \to UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.3	
18	$UICC \to ME$	PROACTIVE UICC SESSION	
19	$UICC \to ME$	PROACTIVE COMMAND	
13	OICC IVIE	PENDING: PLAY TONE 1.1.4	
20	$ME \to UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.4	
22	$ME \rightarrow USER$	Display "RP Ack"	
		Play a standard supervisory radio path acknowledgement tone	
23	$ME \to UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
	IVIL -> UICC	TONE 1.1.4	[Command ponomina adocessiany]
24	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
25	$UICC \to ME$	PROACTIVE COMMAND	
26	$ME \to UICC$	PENDING: PLAY TONE 1.1.5 FETCH	
26 27	$ME \rightarrow UICC$ UICC $\rightarrow ME$	PROACTIVE COMMAND: PLAY	
"	OIOO IVIE	TONE 1.1.5	
28	$ME \to USER$	Display "No RP"	
		Play a standard supervisory radio	
		path not available / call dropped	
29	ME LUCO	tone for a duration of 5 s TERMINAL RESPONSE: PLAY	[Command performed successfully]
29	$ME \rightarrow UICC$	TONE 1.1.5	
1		1.0	1

Step	Direction	MESSAGE / Action	Comments
30	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
31	$UICC \to ME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.6	
32	$ME \rightarrow UICC$	FETCH	
33	UICC → ME	PROACTIVE COMMAND: PLAY	
		TONE 1.1.6	
34	$ME \rightarrow USER$	Display "Spec Info" Play a standard supervisory error /	
		special information tone for a	
		duration of 5 s	
35	$ME \to UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
36	$UICC \to ME$	TONE 1.1.6 PROACTIVE UICC SESSION	
30	UICC → IVIE	ENDED	
37	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.7	
38	ME → UICC	FETCH	
39	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.1.7	
40	$ME \to USER$	Display "Call Wait"	
		Play a standard supervisory call	
41	ME LUCC	waiting tone for a duration of 5 s	[Command performed successfully]
41	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY TONE 1.1.7	[Command performed successfully]
42	$UICC \to ME$	PROACTIVE UICC SESSION	
40		ENDED	
43	$UICC \to ME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.8	
44	$ME \to UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
4.0		TONE 1.1.8	
46	$ME \rightarrow USER$	Display "Ring Tone" Play a standard supervisory	
		ringing tone for duration of 5 s	
47	$ME \to UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
40		TONE 1.1.8	
48	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
49	$USER \to ME$	Set up a voice call	User dials 123456789 to connect to the
			network manually]
50	$ME \rightarrow USS$	Establish voice call	[Voice call is established]
51	$UICC \to ME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.9	
52	$ME \to UICC$	FETCH	
53	UICC → ME	PROACTIVE COMMAND: PLAY	
- 4	NAC LIGHT	TONE 1.1.9	
54	$ME \rightarrow USER$	Display "Dial Tone" Superimpose the standard	
		supervisory dial tone on the audio	
		downlink for the duration of 5 s	
55	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
56	$UICC \to ME$	TONE 1.1.9 PROACTIVE UICC SESSION	
		ENDED	
57	$USER \to ME$	The user ends the call	
58	$UICC \to ME$	PROACTIVE COMMAND	
59	ME o UICC	PENDING: PLAY TONE 1.1.10 FETCH	
60	$UICC \rightarrow ME$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.10	

Step	Direction	MESSAGE / Action	Comments
61	ME → USER	Display "This command instructs	- Commonto
		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"	
62	ME → UICC	Play a general beep TERMINAL RESPONSE: PLAY	[Command parformed augagestully]
62	ME → UICC	TONE 1.1.10a	[Command performed successfully] or
		or	[Command beyond ME's capabilities]
		TERMINAL RESPONSE: PLAY	
63	UICC → ME	TONE 1.1.10b PROACTIVE UICC SESSION	
03		ENDED	
64	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.11	
65 66	ME → UICC	FETCH PROACTIVE COMMAND: PLAY	
00	$UICC \to ME$	TONE 1.1.11	
67	$ME \to USER$	Display "Beep"	
		Play a ME proprietary general	
68	ME	beep	[Command parformed augagestully]
00	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY TONE 1.1.11a	[Command performed successfully]
		Or	[Command beyond ME's capabilities]
		TERMINAL RESPONSE: PLAY	
69	LUCC ME	TONE 1.1.11b PROACTIVE UICC SESSION	
09	$UICC \to ME$	ENDED	
70	$UICC \to ME$	PROACTIVE COMMAND	
7.4		PENDING: PLAY TONE 1.1.12	
71 72	ME → UICC	FETCH PROACTIVE COMMAND: PLAY	
12	$UICC \to ME$	TONE 1.1.12	
73	$ME \to USER$	Display "Positive"	
		Play a ME proprietary positive	
74	ME → UICC	acknowledgement tone TERMINAL RESPONSE: PLAY	[Command performed successfully]
, ,	IVIL -> 0100	TONE 1.1.12a	or
		or	[Command beyond ME's capabilities]
		TERMINAL RESPONSE: PLAY TONE 1.1.12b	
75	$UICC \to ME$	PROACTIVE UICC SESSION	
	0.00 / <u>-</u>	ENDED	
76	$UICC \to ME$	PROACTIVE COMMAND	
77	ME → UICC	PENDING: PLAY TONE 1.1.13 FETCH	
78	$UICC \rightarrow ME$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.13	
79	$ME \rightarrow USER$	Display "Negative"	
		Play a ME proprietary negative acknowledgement tone	
80	$ME \to UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.13a	or
		or TERMINAL RESPONSE: PLAY	[Command beyond ME's capabilities]
		TONE 1.1.13b	
81	$UICC \to ME$	PROACTIVE UICC SESSION	
20		ENDED	
82	$UICC \to ME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.14	
83	ME → UICC	FETCH	
84	UICC → ME	PROACTIVE COMMAND: PLAY	
		TONE 1.1.14	

ME → UICC Display "Quick" Play a ME proprietary general beep TERMINAL RESPONSE: PLAY TONE 1.1.14a or TERMINAL RESPONSE: PLAY TONE 1.1.14b PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.15 Display "CABORT>" Play an ME Error / Special information tone until user aborts this command (the command shall be aborted by the user within 1 minute) TERMINAL RESPONSE: PLAY TONE 1.1.15 PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 ME → UICC → ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 ME → UICC → ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 ME → UICC → ME PROACTIVE COMMAND: PLAY TONE 1.1.16 ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone	Step	Direction	MESSAGE / Action	Comments
Beep TERMINAL RESPONSE: PLAY TONE 1.1.14a or TERMINAL RESPONSE: PLAY TONE 1.1.14b or TERMINAL RESPONSE: PLAY TONE 1.1.14b PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.15 PROBORTS" Play an ME error / Special information tone until user aborts this command (the command shall be aborted by the user within 1 minute) PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.16 ME → UICC → ME PROACTIVE COMMAND: PLAY TONE 1.1.16 ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone ME-manufacturer] ME-manufacturer]		$ME \to USER$	Display "Quick"	
ME → UICC TERMINAL RESPONSE: PLAY TONE 1.1.14a or TERMINAL RESPONSE: PLAY TONE 1.1.14b or TERMINAL RESPONSE: PLAY TONE 1.1.14b PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.15 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.15 PETCH PROACTIVE COMMAND: PLAY TONE 1.1.15 PROACTIVE COMMAND: PLAY TONE 1.1.15 Pay an ME error / Special information tone until user aborts this command (the command shall be aborted by the user within 1 minute) PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.16 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone ME-manufacturer] ME-manufacturer]				
TONE 1.1.14a or TERMINAL RESPONSE: PLAY TONE 1.1.14b 87 UICC → ME 88 UICC → ME 9PROACTIVE UICC SESSION ENDED 9PROBLET HAY TONE 1.1.15 89 ME → UICC 90 UICC → ME 91 ME → USER 91 ME → USER 92 ME → UICC 93 UICC → ME 94 UICC → ME 95 ME → UICC 96 UICC → ME 97 ME → UICC 97 ME 98 ME → UICC 98 ME → UICC 99 ME → UICC 1 TERMINAL RESPONSE: PLAY TONE 1.1.15 91 UICC → ME 92 ME → UICC 93 UICC → ME 94 UICC → ME 95 ME → UICC 96 UICC → ME 97 ME → UICC 97 ME 98 ME → UICC 98 ME → UICC 99 ME → UICC 90 ME 91 ME → UICC 91 ME 92 ME → UICC 95 ME 96 ME → UICC 96 ME 97 ME → UICC 97 ME 98 ME → UICC 98 ME → UICC 99 ME 90 ME → UICC 90 ME 91 ME → UICC 91 ME 92 ME → UICC 93 ME 94 ME → UICC 95 ME 96 ME → UICC 96 ME 97 ME → UICC 97 ME 98 ME → UICC 98 ME 99 ME → UICC 99 ME 90 ME 91 ME 91 ME 92 ME 94 ME 95 ME 96 ME 97 ME 97 ME 97 ME 98 ME 99 ME 90 M	00		I	IO-managed managed assessment all la
or TERMINAL RESPONSE: PLAY TONE 1.1.14b 87 UICC → ME PROACTIVE UICC SESSION ENDED 88 UICC → ME PROACTIVE COMMAND PROBING: PLAY TONE 1.1.15 90 UICC → ME PROACTIVE COMMAND: PLAY TONE 1.1.15 91 ME → USER Display " <abort>" Play an ME Error / Special information tone until user aborts this command (the command shall be aborted by the user within 1 minute) 92 ME → UICC TERMINAL RESPONSE: PLAY TONE 1.1.15 93 UICC → ME PROACTIVE UICC SESSION ENDED 94 UICC → ME PROACTIVE UICC SESSION ENDED 95 ME → UICC ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 96 UICC → ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 97 ME → USER DICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 98 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 99 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 91 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 92 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 93 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 94 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 95 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 96 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 97 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 98 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 99 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 90 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 91 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 92 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 93 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 94 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 95 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 96 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 97 ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16</abort>	86	ME → UICC		i- '
TERMINAL RESPONSE: PLAY TONE 1.1.14b PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: PLAY TONE 1.1.15 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.15 PROACTIVE COMMAND: PLAY TONE 1.1.15 PROACTIVE COMMAND: PLAY TONE 1.1.15 Display " <abort>" Play an ME = Fror / Special information tone until user aborts this command (the command shall be aborted by the user within 1 minute) TERMINAL RESPONSE: PLAY TONE 1.1.15 PROACTIVE UICC SESSION ENDED VIICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED ME → UICC ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.16 FETCH ME → UICC ME PROACTIVE COMMAND: PLAY TONE 1.1.16 ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone ME → UICC ME ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone</abort>				
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94 UICC → ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 PETCH PROACTIVE COMMAND: PLAY TONE 1.1.16 PROACTIVE COMMAND: PLAY TONE 1.1.16 ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone ME → User				user]
94 UICC → ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 PETCH PROACTIVE COMMAND: PLAY TONE 1.1.16 PROACTIVE COMMAND: PLAY TONE 1.1.16 ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone PROACTIVE COMMAND PENDING: PLAY TONE 1.1.16 [No alpha identifier, no tone tag, no duration tag] [ME uses default duration defined by ME-manufacturer]	93	$UICC \to ME$		
95 ME → UICC 96 UICC → ME 97 ME → User PENDING: PLAY TONE 1.1.16 FETCH PROACTIVE COMMAND: PLAY TONE 1.1.16 ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone PENDING: PLAY TONE 1.1.16 [No alpha identifier, no tone tag, no duration tag] [ME uses default duration defined by ME-manufacturer]	0.4	LUCO		
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96 UICC → ME TONE 1.1.16 97 ME → User ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone PROACTIVE COMMAND: PLAY [No alpha identifier, no tone tag, no duration tag] [ME uses default duration defined by ME-manufacturer]	95	$MF \rightarrow UICC$		
97 ME → User TONE 1.1.16 ME plays general beep, or if not supported any (defined by ME-manufacturer) other supported tone TONE 1.1.16 ME plays general beep, or if not supported tone [ME uses default duration defined by ME-manufacturer]	1		_	[No alpha identifier, no tone tag, no duration
supported any (defined by ME-manufacturer] manufacturer) other supported tone				tag]
manufacturer) other supported tone	97	$ME \to User$		
tone				ME-manufacturer]
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I 98 I ME $ ightarrow$ LICC. LIERWINAL RESPONSE: PLAY IICOMMAND DETORMED SUCCESSIUIVI, IME USES	98	$ME \to UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully], [ME uses
		WIE 7 0100		general beep, or if not supported any (defined
by ME-manufacturer) other supported tone,				
uses default duration defined by				
ME-manufacturer] 99 UICC → MF PROACTIVE UICC SESSION	00	LUCC - ME	DDOACTIVE LUCC SESSION	ME-manufacturer]
99 UICC → ME PROACTIVE UICC SESSION ENDED	99	UICC → ME		

For coding, see ETSI TS 102 384 [26] in subclause 27.22.4.5.1.4.2, Expected Sequence 1.1.

27.22.4.5.1.5 Test requirement

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

27.22.4.5.2 PLAY TONE (UCS2 display in Cyrillic)

27.22.4.5.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.2.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.16 and clause 8.8.

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in ISO/IEC 10646 [17].

27.22.4.5.2.3 Test purpose

To verify that the ME displays the text contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece.

27.22.4.5.2.4 Method of test

27.22.4.5.2.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.2.4.2 Procedure

Expected Sequence 2.1 (PLAY TONE, character set from UCS2 alphabet in Russian, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.2.4.2, Expected Sequence 2.1.

27.22.4.5.2.5 Test requirement

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

27.22.4.5.3 PLAY TONE (display of Icon)

27.22.4.5.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.3.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8 and clause 8.31.

27.22.4.5.3.3 Test purpose

To verify that the ME plays an audio tone of a type and duration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece.

To verify that the ME displays the icon contained in the PLAY TONE proactive UICC command.

27.22.4.5.3.4 Method of test

27.22.4.5.3.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.3.4.2 Procedure

Expected Sequence 3.1A (PLAY TONE, Basic icon, self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.1A.

Expected Sequence 3.1B (PLAY TONE, Basic icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.1B.

Expected Sequence 3.2A (PLAY TONE, Basic icon, non self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.2A.

Expected Sequence 3.2B (PLAY TONE, Basic icon, non self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.2B.

Expected Sequence 3.3A (PLAY TONE, Colour icon, self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.3A.

Expected Sequence 3.3B (PLAY TONE, Colour icon, self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.3B.

Expected Sequence 3.4A (PLAY TONE, Colour icon, non self-explanatory, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.4A.

Expected Sequence 3.4B (PLAY TONE, Colour icon, non self-explanatory, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.3.4.2, Expected Sequence 3.4B.

27.22.4.5.3.5 Test Requirement

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

27.22.4.5.4 PLAY TONE (Support of Text Attribute)

27.22.4.5.4.1 PLAY TONE (Support of Text Attribute – Left Alignment)

27.22.4.5.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.1.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.1.3 Test purpose

To verify that the ME displays the text formatted according to the left alignment text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

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27.22.4.5.4.1.4 Method of test

27.22.4.5.4.1.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.1.4.2 Procedure

Expected Sequence 4.1 (PLAY TONE, Text Attribute – Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.1.4.2, Expected Sequence 4.1.

27.22.4.5.4.1.5 Test Requirement

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

27.22.4.5.4.2 PLAY TONE (Support of Text Attribute – Center Alignment)

27.22.4.5.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.2.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.2.3 Test purpose

To verify that the ME displays the text formatted according to the center alignment text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.2.4 Method of test

27.22.4.5.4.2.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.2.4.2 Procedure

Expected Sequence 4.2 (PLAY TONE, Text Attribute – Centre Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.2.4.2, Expected Sequence 4.2.

27.22.4.5.4.2.5 Test Requirement

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

27.22.4.5.4.3 PLAY TONE (Support of Text Attribute – Right Alignment)

27.22.4.5.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.3.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.3.3 Test purpose

To verify that the ME displays the text formatted according to the right alignment text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.3.4 Method of test

27.22.4.5.4.3.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.3.4.2 Procedure

Expected Sequence 4.3 (PLAY TONE, Text Attribute – Right Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.3.4.2, Expected Sequence 4.3.

27.22.4.5.4.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.3.

27.22.4.5.4.4 PLAY TONE (Support of Text Attribute – Large Font Size)

27.22.4.5.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.4.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.4.3 Test purpose

To verify that the ME displays the text formatted according to the large font size text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.4.4 Method of test

27.22.4.5.4.4.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.4.4.2 Procedure

Expected Sequence 4.4 (PLAY TONE, Text Attribute – Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.4.2, Expected Sequence 4.4.

27.22.4.5.4.4.5 Test Requirement

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

27.22.4.5.4.5 PLAY TONE (Support of Text Attribute – Small Font Size)

27.22.4.5.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.5.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.5.3 Test purpose

To verify that the ME displays the text formatted according to the small font size text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.5.4 Method of test

27.22.4.5.4.5.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.5.4.2 Procedure

Expected Sequence 4.5 (PLAY TONE, Text Attribute – Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.2, Expected Sequence 4.5.

27.22.4.5.4.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.5.

27.22.4.5.4.6 PLAY TONE (Support of Text Attribute – Bold On)

27.22.4.5.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.6.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.6.3 Test purpose

To verify that the ME displays the text formatted according to the bold text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.6.4 Method of test

27.22.4.5.4.6.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.6.4.2 Procedure

Expected Sequence 4.6 (PLAY TONE, Text Attribute – Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.6.4.2, Expected Sequence 4.6.

27.22.4.5.4.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.6.

27.22.4.5.4.7 PLAY TONE (Support of Text Attribute – Italic On)

27.22.4.5.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.7.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.7.3 Test purpose

To verify that the ME displays the text formatted according to the italic text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.7.4 Method of test

27.22.4.5.4.7.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.7.4.2 Procedure

Expected Sequence 4.7 (PLAY TONE, Text Attribute – Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.7.4.2, Expected Sequence 4.7.

27.22.4.5.4.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.7.

27.22.4.5.4.8 PLAY TONE (Support of Text Attribute – Underline On)

27.22.4.5.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.8.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.8.3 Test purpose

To verify that the ME displays the text formatted according to the underline text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.8.4 Method of test

27.22.4.5.4.8.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.8.4.2 Procedure

Expected Sequence 4.8 (PLAY TONE, Text Attribute – Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.8.4.2, Expected Sequence 4.8.

27.22.4.5.4.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.8.

27.22.4.5.4.9 PLAY TONE (Support of Text Attribute – Strikethrough On)

27.22.4.5.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.9.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.9.3 Test purpose

To verify that the ME displays the text formatted according to the strikethrough text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.9.4 Method of test

27.22.4.5.4.9.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.9.4.2 Procedure

Expected Sequence 4.9 (PLAY TONE, Text Attribute – Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.9.4.2, Expected Sequence 4.9.

27.22.4.5.4.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.9.

27.22.4.5.4.10 PLAY TONE (Support of Text Attribute – Foreground and Background Colour)

27.22.4.5.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.4.10.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.5, clause 6.6.5, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.16, clause 8.8, clause 8.31 and clause 8.70.

27.22.4.5.4.10.3 Test purpose

To verify that the ME displays the text formatted according to the foreground and background colour text attribute configuration contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.5.4.10.4 Method of test

27.22.4.5.4.10.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.4.10.4.2 Procedure

Expected Sequence 4.10 (PLAY TONE, Text Attribute – Foreground and Background Colour)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.4.10.4.2, Expected Sequence 4.10.

27.22.4.5.4.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 4.10.

27.22.4.5.5 PLAY TONE (UCS2 display in Chinese)

27.22.4.5.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.5.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.16 and clause 8.8.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in ISO/IEC 10646 [17].

27.22.4.5.5.3 Test purpose

To verify that the ME displays the text contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece.

27.22.4.5.5.4 Method of test

27.22.4.5.5.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.5.4.2 Procedure

Expected Sequence 5.1 (PLAY TONE, character set from UCS2 alphabet in Chinese, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.5.4.2, Expected Sequence 5.1.

27.22.4.5.5.5 Test requirement

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

27.22.4.5.6 PLAY TONE (UCS2 display in Katakana)

27.22.4.5.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.5.6.2 Conformance requirement

The ME shall support the PLAY TONE command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.3, clause 6.6.3, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.16 and clause 8.8.

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in ISO/IEC 10646 [17].

27.22.4.5.6.3 Test purpose

To verify that the ME displays the text contained in the PLAY TONE proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME plays the requested audio tone through the earpiece.

27.22.4.5.6.4 Method of test

27.22.4.5.6.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

27.22.4.5.6.4.2 Procedure

Expected Sequence 6.1 (PLAY TONE, with UCS2 in Katakana, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.5.6.4.2, Expected Sequence 6.1.

27.22.4.5.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.6 POLL INTERVAL

27.22.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.6.2 Conformance requirement

The ME shall support the POLL INTERVAL command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.6, clause 6.6.6, clause 5.2, clause 8.6, clause 8.7 and clause 8.8.

27.22.4.6.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (OK) to the UICC after the ME receives the POLL INTERVAL proactive UICC command.

To verify that the ME gives a valid response to the polling interval requested by the UICC.

To verify that the ME sends STATUS commands to the UICC at an interval no longer than the interval negotiated by the UICC.

27.22.4.6.4 Method of test

27.22.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

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

27.22.4.6.4.2 Procedure

See ETSI TS 102 384 [26] in subclause 27.22.4.6.4.2, Expected Sequence 1.1.

NOTE: If the requested poll interval is not supported by the ME, the ME is allowed to use a different one as stated in TS 31.111 [15], subclause 6.4.6.

27.22.4.6.5 Test requirement

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

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:

- TS 31.111 [15] clause 6.1, clause 6.4.7, clause 6.6.13, clause 5.2, clause 8.6, clause 8.7 and clause 8.18.

Consequently the ME shall support the USIM Initialization procedure as defined in:

- TS 31.102 [14] clause 5.1.1.2 and ETSI TS 102 221[13] clause 11.1.2

27.22.4.7.1.3 Test purpose

To verify that the ME performs the Proactive Command – REFRESH in accordance with the Command Qualifier. This shall require the ME to perform:

- the UICC and USIM initialization,
- a re-read of the contents and structure of the EFs on the UICC that have been notified as changed and are either part of initialization or used during the test,
- a restart of the card session,
- a successfull return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

27.22.4.7.1.4 Method of test

27.22.4.7.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table..

The elementary files are coded as Toolkit default except for expected sequence 1.3.

For expected sequence 1.3 the global phonebook shall be present.

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

These values might be overwritten with values defined in the expected sequences itself.

Prior to the execution of expected sequence 1.2 the FDN service shall be enabled.

27.22.4.7.1.4.2 Procedure

Expected Sequence 1.1 (REFRESH, USIM Initialization)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \rightarrow ME$	PROACTIVE COMMAND	[To inform the ME that FDN becomes
		PENDING: REFRESH 1.1.1	enabled]
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		REFRESH 1.1.1	
4	UICC	EF EST contents states FDN	[New EF EST value: 01]
_		enabled	
5	$ME \rightarrow UICC$	USIM Initialization including send	[ME performs USIM initialization in
	ME 11100	STATUS[P1='01']	accordance with TS 31.111 [15] clause 6.4.7]
6	ME → UICC	TERMINAL RESPONSE: REFRESH 1.1.1A	[normal ending]
		Or	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 1.1.1B	[daditional El 3 leda]
7	UICC \rightarrow ME	PROACTIVE UICC SESSION	
	0.00 /	ENDED	
8	$USER \to ME$	Call setup to "321"	
9	$ME \rightarrow USER$	Call set up not allowed	
10	$USER \to ME$	Call setup to "123"	
11	$ME \to USS$	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: USIM Initialization

Device identities

Source device: UICC 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: USIM Initialization

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

TERMINAL RESPONSE: REFRESH 1.1.1B

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization

Device identities

Source device: ME
Destination device: UICC

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 1.2 (REFRESH, File Change Notification)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	[To inform the ME that EF FDN will be in an
		PENDING: REFRESH 1.2.1	updated state, FDN service already enabled]
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		REFRESH 1.2.1	
4	UICC	Update EF FDN RECORD 1	[EF FDN record 1 updated to contain the
			dialling string "0123456789"]
5	$ME \rightarrow UICC$		[normal ending]
		REFRESH 1.2.1A	
		Or	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 1.2.1B	
6	$UICC \to ME$	PROACTIVE UICC SESSION	
_		ENDED	
7		Call setup to "123"	
8		Call set up not allowed	
9	$USER \to ME$	Call setup to "0123456789"	
10	$ME \rightarrow USS$	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: UICC
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	FF	6F	3B				

TERMINAL RESPONSE: REFRESH 1.2.1A

Logically:

Command details

Command number:

Command type: REFRESH

Command qualifier: File Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Result

General Result: REFRESH performed with additional EFs read

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

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to$	PROACTIVE COMMAND	
	ME	PENDING: REFRESH 1.3.1	
2	ME o	FETCH	
	UICC		
3	$UICC \to$	PROACTIVE COMMAND:	
	ME	REFRESH 1.3.1	
4	UICC	Update EF ADN in the global	[EF ADN entry 1 of the global phonebook to
		phonebook	contain the the new and previously unused
_			alpha identifier "Changed"
5	ME →	USIM Initialization including	[ME performs USIM initialization in
6	UICC	sending STATUS [P1='01'] TERMINAL RESPONSE:	accordance with TS 31.111 [15] clause 6.4.7]
0	ME → UICC	REFRESH 1.3.1A	[normal ending]
	UICC	Or	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 1.3.1B	[additional 2: 0 road]
7	$UICC \to$	PROACTIVE UICC SESSION	
	ME	ENDED	
8	$USER \to$	Use an MMI dependent procedure	[To ensure that EF ADN in the global
	ME	to display the entry with the alpha	phonebook has been read after issuing the
		identifier "Changed" stored in	Refresh command]
		record 1 of EF ADN in the global	
		phonebook	
9	ME →	The ME shall display the alpha	
	USER	identifier "Changed" for record 1 of	
		EF ADN in the global phonebook	

PROACTIVE COMMAND: REFRESH 1.3.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and File Change Notification

Device identities

Source device: UICC Destination device: ME

File List: ADN in the global phonebook

Coding:

BER-TLV:	D0	12	81	03	01	01	02	82	02	81	82	92
	Note 1											

Note 1: Length and data of the file list TLV depend on the card configuration used in this test. The global phonebook shall be used. The number of changed files shall be set to '01'.

TERMINAL RESPONSE: REFRESH 1.3.1A

Logically:

Command details

Command number:

Command type: REFRESH

Command qualifier: USIM Initialization and File Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

TERMINAL RESPONSE: REFRESH 1.3.1B

Logically:

Command details

Command number:

Command type: REFRESH

Command qualifier: USIM Initialization and File Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: REFRESH performed with additional EFs read

Coding:

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

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 1.4.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$		
		REFRESH 1.4.1	
4	UICC	EF EST contents states FDN	[New EF EST value: 01]
_	11100	enabled	
5	UICC	Update EF FDN	[EF FDN record 1 updated to contain the
6	ME LUCC	LICIM Initialization including and	dialling string "0123456789"] [ME performs USIM initialization in
0	INIE → DICC	USIM Initialization including send STATUS[P1='01']	accordance with TS 31.111 [15] clause 6.4.7]
7	ME VIICC	TERMINAL RESPONSE:	[normal ending]
'	IVIL -> 0100	REFRESH 1.4.1A	[normal origing]
		Or	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 1.4.1B	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$USER \to ME$	Call setup to "321"	
10		Call set up not allowed	
11	$USER \to ME$	Call setup to "0123456789"	
12	$ME \to USS$	Setup	Called party BCD number shall be
			"0123456789"

PROACTIVE COMMAND: REFRESH 1.4.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and Full File Change Notification

Device identities

Source device: UICC 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:

Command type: REFRESH

Command qualifier: USIM Initialization and Full file Change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

TERMINAL RESPONSE: REFRESH 1.4.1B

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Initialization and full File change Notification

Device identities

Source device: ME
Destination device: UICC

Result

General Result: REFRESH performed with additional EFs read

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

Expected Sequence 1.5 (REFRESH, UICC Reset)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \!\! \to ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 1.5.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		REFRESH 1.5.1	
4	$ME \rightarrow UICC$	STATUS[P1='02']	ME indicates to USIM that the termination
			procedure is starting
5	$ME \rightarrow UICC$	ME resets the UICC, performs	
		USIM initialisation, including send	
		STATUS[P1='01'] and	
		no TERMINAL RESPONSE shall	
		be sent	

PROACTIVE COMMAND: REFRESH 1.5.1

Logically:

Command details

Command number:

Command type: REFRESH Command qualifier: UICC Reset

Device identities

Source device: UICC Destination device: ME

BER-TLV:	D0	09	81	03	l 01	01	04	82	02	81	82	İ
	_		_		_	_	_	_	_	_	_	İ

Expected Sequence 1.6 (REFRESH, USIM 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 USS, if the UICC responds with '90 00']
2	$USS \to ME$	SMS-PP Data Download Message 1.6.1	
3	$ME \to USER$	The ME shall not display the message or alert the user of a short message waiting	
4	$ME \to USS$	ENVELOPE: SMS-PP DOWNLOAD 1.6.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: REFRESH 1.1.1	
6	$ME \to USS$	RP-ACK	
7	$ME \to UICC$	FETCH	
8	$UICC \to ME$	PROACTIVE COMMAND: REFRESH 1.1.1	
9	UICC	EF EST contents states FDN enabled	[New EF EST value: 01]
10	$ME \to UICC$	USIM Initialization including send STATUS[P1='01']	[ME performs USIM initialization in accordance with TS 31.111 [15] clause 6.4.7]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: REFRESH 1.1.1A Or	[normal ending]
		TERMINAL RESPONSE: REFRESH 1.1.1B	[additional EFs read]
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
13	$USER \to ME$	Call setup to "321"	
14	$ME \to USER$	Call set up not allowed	
15	$USER \to ME$	Call setup to "123"	
16	$ME \to USS$	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 (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "Short Message"

Coding	04	04	91	21	43	7F	16	89	10	10	00	00
	00	00	0D	53	68	6F	72	74	20	4D	65	73

73	61	67	65				

ENVELOPE: SMS-PP DOWNLOAD 1.6.1

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

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-RPTP-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 (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "Short Message"

BER-TLV:	D1	2D	82	02	83	81	06	09	91	11	22	33	l
	44	55	66	77	F8	8B	1C	04	04	91	21	43	
	7F	16	89	10	10	00	00	00	00	0D	53	68	
	6F	72	74	20	4D	65	73	73	61	67	65		

Expected Sequence 1.7 (REFRESH, USIM Application Reset)

Step	Direction	MESSAGE / Action	Comments
1	$UICC {\to} ME$	PROACTIVE COMMAND	[To inform the ME that FDN becomes
		PENDING: REFRESH 1.7.1	enabled]
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	No UICC reset shall be performed between
		REFRESH 1.7.1	steps 3 and 9.
4	$ME \rightarrow UICC$	STATUS[P1='02']	ME indicates to USIM that the termination
			procedure is starting
5	$ME \rightarrow UICC$	Select AID=USIM	Application termination
		(P2='44') OR (P2='4C')	
6	UICC	EF EST contents states FDN	[New EF EST value: 01]
		enabled	
7	$ME \rightarrow UICC$	USIM Initialization, including send	[ME performs USIM initialization]
		STATUS[P1='01']	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[normal ending]
		REFRESH 1.7.1	
9	$UICC \to ME$	PROACTIVE UICC SESSION	
40		ENDED	
10		Call setup to "321"	
11		Call set up not allowed	
12		Call setup to "123"	
13		Setup	Called party BCD number shall be "123"
14	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
15	$USER \to ME$	The user ends the call after a few	
		seconds.	

PROACTIVE COMMAND: REFRESH 1.7.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Application Reset

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	01	05	82	02	81	82	

TERMINAL RESPONSE: REFRESH 1.7.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Application Reset

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.4.7.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.7.

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:

- TS 31.111 [15] clause 6.1, clause 6.4.7, clause 6.4.7.1, clause 6, clause 6.6.13, clause 5.2, clause 8.6, clause 8.7 and clause 8.18.

Additionally the ME shall support the USIM Initialization and USIM application closure procedure as defined in:

- TS 31.102 [14] clause 5.1.2 and Annex I.

27.22.4.7.2.3 Test purpose

To verify that the ME performs the Proactive Command – REFRESH in accordance with the Command Qualifier and the IMSI changing procedure. This may require the ME to perform:

- the USIM initialization
- a re-read of the contents and structure of the IMSI on the USIM
- a restart of the card session
- a successful return of the result of the execution of the command in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.7.2.4 Method of test

27.22.4.7.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table..

The elementary files are coded as USIM Application Toolkit default.

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

The ATT flag broadcast in the SYSTEM INFORMATION BLOCK TYPE 1 on the BCCH is set to "UEs shall apply IMSI attach and detach procedure" for Expected Sequences 2.2.

27.22.4.7.2.4.2 Procedure

Expected Sequence 2.1 (REFRESH, UICC Reset for IMSI Changing procedure)

TBD

Expected Sequence 2.2 (REFRESH, USIM Application Reset for IMSI Changing procedure)

Step	Direction	MESSAGE / Action	Comments
1	$UICC{\to}ME$	PROACTIVE COMMAND	[To inform the ME that IMSI has changed]
_		PENDING: REFRESH 2.2.1	
2	, 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
4	ME . IIICC	REFRESH 2.2.1	ME indicates to USIM that the termination
4	$ME \rightarrow UICC$	STATUS[P1='02']	procedure is starting
5	$ME \rightarrow UICC$		Application termination
6	ME→USS	IMSI DETACH INDICATION	Indicates IMSI detach and/or GPRS detach,
		and/or DETACH REQUEST	depending on if the ME is CS and/or PS
			registered according to its capabilities
7	UICC	Update EF IMSI and EF LOCI	[Update the content of EF IMSI to
			"001010123456786", Temporary Mobile
			Subscriber Identity (TMSI) in EF LOCI be set
8	ME → UICC	SELECT AID=USIM	to "FF FF FF FF"] Application selection
0	IVIE → UICC	(P2='0x')	Application selection
9	$ME \rightarrow UICC$	USIM Initialization, including send	[ME performs USIM initialization]
		STATUS[P1='01']	, , , , , , , , , , , , , , , , , , , ,
10	$ME \to UICC$	TERMINAL RESPONSE:	[normal ending]
		REFRESH 2.2.1	
11	$UICC \to ME$	PROACTIVE UICC SESSION	
12	$ME \to USS$	ENDED LOCATION UPDATING	The ME will again register in CS and/or PS
12	IVIE → USS	REQUEST and/or ATTACH	depending on its capabilities
		REQUEST	depending on its capabilities
13	$USS \to ME$	LOCATION UPDATING ACCEPT	
		and/or ATTACH ACCEPT	
14	$ME \to USS$	TMSI REALLOCATION	
		COMPLETE and/or ATTACH	
		COMPLETE	

PROACTIVE COMMAND: REFRESH 2.2.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Application Reset

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	01	05	82	02	81	82

TERMINAL RESPONSE: REFRESH 2.2.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: USIM Application Reset

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 2.3 (REFRESH, 3G Session Reset for IMSI Changing procedure)

TBD

Expected Sequence 2.4 (REFRESH, reject 3G Session Reset for IMSI Changing procedure during call)

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	MO Call setup	
2	$ME \to USS$	Call established and maintained	
3	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 2.4.1	
4	$ME \rightarrow UICC$	FETCH	
5	$UICC \to ME$	PROACTIVE COMMAND:	
		REFRESH 2.4.1	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE:	ME rejects REFRESH proactive command
		REFRESH 2.4.1A	
		Or	
		TERMINAL RESPONSE:	
		REFRESH 2.4.1B	
7	$UICC \to ME$	PROACTIVE UICC SESSION	Note: EF IMSI and EF LOCI are not updated
		ENDED	by the UICC, see TS 31.111[15], cl. 6.4.7.1
8	$USER \to ME$	The MO call is terminated	

PROACTIVE COMMAND: REFRESH 2.4.1

Logically:

Command details

Command number: 1

Command type: REFRESH
Command qualifier: 3G Session Reset

Device identities

Source device: UICC Destination device: ME

File list

Number of files: 2

File: EF IMSI File: EF LOCI

Coding:

BER-TLV:	D0	18	81	03	01	01	06	82	02	81	82	92
	0D	02	3F	00	7F	FF	6F	07	3F	00	7F	FF
	6F	7E										

TERMINAL RESPONSE: REFRESH 2.4.1A

Logically:

Command details

Command number: 1

Command type: **REFRESH** Command qualifier: **3G Session Reset**

Device identities

Source device: ME Destination device: **UICC**

Result

General Result: ME currently unable to process command Additional information on result: ME currently busy on call

Coding:

BER-TLV:	81	03	01	01	06	82	02	82	81	83	02	20
	02											

TERMINAL RESPONSE: REFRESH 2.4.1B

Logically:

Command details

Command number:

Command type:

REFRESH Command qualifier: 3G Session Reset

Device identities

Source device: ME UICC Destination device:

Result

General Result: ME currently unable to process command

Additional information on result: Screen is busy

Coding:

BER-TLV:	81	03	01	01	06	82	02	82	81	83	02	20
	01											

27.22.4.7.2.5 Test requirement

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

27.22.4.8 SET UP MENU and ENVELOPE MENU SELECTION

27.22.4.8.1 SET UP MENU (normal) and ENVELOPE MENU SELECTION

27.22.4.8.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.1.2 Conformance requirement

The ME shall support the SET UP MENU command as defined in:

- TS 31.111 [15] clause 5, clause 6.4.8, clause 6.6.7, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.9 and clause 9.4.

The ME shall support MENU SELECTION as defined in:

- TS 31.111 [15] clause 4.4, clause 5.2, clause 6.4.8, clause 6.9, clause 7.2, clause 8.7 and clause 8.10.

27.22.4.8.1.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the ME removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

To verify that when the help is available for the command and the user gas indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

27.22.4.8.1.4 Method of test

27.22.4.8.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.1.4.2 Procedure

Expected Sequence 1.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (SET UP MENU, Large Menu with many items or with large items or with Large Alpha Identifier)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.1.4.2, Expected Sequence 1.2.

The following table details the test requirements with relation to the tested features:

	Proactive U	Proactive UICC Command Facilities											
Proactive UICC 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

27.22.4.8.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.2.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- TS 31.111 [15] clause 8.21.

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 UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that when the help is available for the command and the user has indicated the need to get help information on one of the items, the ME informs properly the UICC 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 UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.2.4 Method of test

27.22.4.8.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.2.4.2 Procedure

Expected Sequence 2.1 (SET UP MENU and MENU SELECTION, with Help Request, Replace and Remove a Toolkit Menu)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.2.4.2, Expected Sequence 2.1.

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

27.22.4.8.3.1 Definition and applicability

See clause 3.2.2.

If the UICC provides an Items Next Action Indicator data object, the comprehension required flag shall be set to '0'.

27.22.4.8.3.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- TS 31.111 [15] clause 8.24.

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 UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the next action indicator is supported.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.3.4 Method of test

27.22.4.8.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.3.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.8.3.4.2, Expected Sequence 3.1.

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

27.22.4.8.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.4.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clause 6.5.4, 8.31 and 8.32.

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 UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

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 UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.4.4 Method of test

27.22.4.8.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.4.4.2 Procedure

Expected Sequence 4.1A (SET UP MENU, BASIC ICON NOT SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.4.4.2, Expected Sequence 4.1A.

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)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.4.4.2, Expected Sequence 4.1B.

Expected Sequence 4.2A (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.4.4.2, Expected Sequence 4.2A.

Expected Sequence 4.2B (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.4.4.2, Expected Sequence 4.2B.

27.22.4.8.4.5 Test requirement

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

27.22.4.8.5 SET UP MENU (soft keys support) and ENVELOPE MENU SELECTION

27.22.4.8.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.5.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1.

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 UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

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 UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.5.4 Method of test

27.22.4.8.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.5.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.8.5.4.2, Expected Sequence 5.1.

27.22.4.8.5.5 Test requirement

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

27.22.4.8.6 SET UP MENU (support of Text Attribute) and ENVELOPE MENU SELECTION

27.22.4.8.6.1 SET UP MENU (support of Text Attribute – Left Alignment) and ENVELOPE MENU SELECTION

27.22.4.8.6.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.1.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.1.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the left alignment text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.1.4 Method of test

27.22.4.8.6.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.1.4.2 Procedure

Expected Sequence 6.1 (SET UP MENU, Text Attribute - Left Alignment, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.1.4.2, Expected Sequence 6.1.

27.22.4.8.6.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.8.6.2 SET UP MENU (support of Text Attribute – Center Alignment) and ENVELOPE MENU SELECTION

27.22.4.8.6.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.2.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.2.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the center alignment text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.2.4 Method of test

27.22.4.8.6.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.2.4.2 Procedure

Expected Sequence 6.2 (SET UP MENU, Text Attribute - Center Alignment, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.2.4.2, Expected Sequence 6.2.

27.22.4.8.6.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.2.

27.22.4.8.6.3 SET UP MENU (support of Text Attribute – Right Alignment) and ENVELOPE MENU SELECTION

27.22.4.8.6.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.3.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.3.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the right alignment text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.3.4 Method of test

27.22.4.8.6.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.3.4.2 Procedure

Expected Sequence 6.3 (SET UP MENU, Text Attribute – Right Alignment, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.3.4.2, Expected Sequence 6.3.

27.22.4.8.6.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.3.

27.22.4.8.6.4 SET UP MENU (support of Text Attribute – Large Font Size) and ENVELOPE MENU SELECTION

27.22.4.8.6.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.4.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.4.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the large font size text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.4.4 Method of test

27.22.4.8.6.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.4.4.2 Procedure

Expected Sequence 6.4 (SET UP MENU, Text Attribute – Large Font Size, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.4.4.2, Expected Sequence 6.4.

27.22.4.8.6.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.4.

27.22.4.8.6.5 SET UP MENU (support of Text Attribute – Small Font Size) and ENVELOPE MENU

SELECTION

27.22.4.8.6.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.5.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.5.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the with small font size text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.5.4 Method of test

27.22.4.8.6.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.5.4.2 Procedure

Expected Sequence 6.5 (SET UP MENU, Text Attribute - Small Font Size, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.5.4.2, Expected Sequence 6.5.

27.22.4.8.6.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.5.

27.22.4.8.6.6 SET UP MENU (support of Text Attribute – Bold On) and ENVELOPE MENU

SELECTION

27.22.4.8.6.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.6.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.6.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.6.4 Method of test

27.22.4.8.6.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.6.4.2 Procedure

Expected Sequence 6.6 (SET UP MENU, Text Attribute – Bold On, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.6.4.2, Expected Sequence 6.6.

27.22.4.8.6.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.6.

27.22.4.8.6.7	SET UP MENU (support of Text Attribute – Italic On) and ENVELOPE MENU
	SELECTION

27.22.4.8.6.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.7.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.7.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

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27.22.4.8.6.7.4 Method of test

27.22.4.8.6.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.7.4.2 Procedure

Expected Sequence 6.7 (SET UP MENU, Text Attribute – Italic On, successful)

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See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.7.4.2, Expected Sequence 6.7.

27.22.4.8.6.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.7.

27.22.4.8.6.8 SET UP MENU (support of Text Attribute – Underline On) and ENVELOPE MENU

SELECTION

27.22.4.8.6.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.8.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.8.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.8.4 Method of test

27.22.4.8.6.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.8.4.2 Procedure

Expected Sequence 6.8 (SET UP MENU, Text Attribute - Underline On, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.8.4.2, Expected Sequence 6.8.

27.22.4.8.6.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.8.

27.22.4.8.6.9 SET UP MENU (support of Text Attribute – Strikethrough On) and ENVELOPE MENU

SELECTION

27.22.4.8.6.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.9.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.9.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.9.4 Method of test

27.22.4.8.6.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.9.4.2 Procedure

Expected Sequence 6.9 (SET UP MENU, Text Attribute - Strikethrough On, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.9.4.2, Expected Sequence 6.9.

27.22.4.8.6.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.9.

27.22.4.8.6.10 SET UP MENU (support of Text Attribute – Foreground and Background Colour) and

ENVELOPE MENU SELECTION

27.22.4.8.6.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.6.10.2 Conformance requirement

Requirements are the same as in clause 27.22.4.8.1.1, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.10.3 Test purpose

To verify that the ME correctly integrates the menu items contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that text is displayed according to the text attribute configuration within the command Set Up Menu and the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

27.22.4.8.6.10.4 Method of test

27.22.4.8.6.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.6.10.4.2 Procedure

Expected Sequence 6.10 (SET UP MENU, Text Attribute – Foreground and Background Colour, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.6.10.4.2, Expected Sequence 6.10.

27.22.4.8.6.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.10.

27.22.4.8.7 SET UP MENU (UCS2 display in Cyrillic) and ENVELOPE MENU SELECTION

27.22.4.8.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.7.2 Conformance requirement

The ME shall support the SET UP MENU command as defined in:

- TS 31.111 [15] clause 5, clause 6.4.8, clause 6.6.7, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.9 and clause 9.4.

The ME shall support MENU SELECTION as defined in:

- TS 31.111 [15] clause 4.4, clause 5.2, clause 6.4.8, clause 6.9, clause 7.2, clause 8.7 and clause 8.10.
- Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in ISO/IEC 10646 [17].

27.22.4.8.7.3 Test purpose

To verify that the ME correctly integrates the menu items in UCS2 coding contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the ME removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

To verify that when the help is available for the command and the user gas indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

27.22.4.8.7.4 Method of test

27.22.4.8.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.7.4.2 Procedure

Expected Sequence 7.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 in Cyrillic Characters)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.7.4.2, Expected Sequence 7.1.

27.22.4.8.7.5 Test requirement

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

27.22.4.8.8 SET UP MENU (UCS2 display in Chinese) and ENVELOPE MENU SELECTION

27.22.4.8.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.8.2 Conformance requirement

The ME shall support the SET UP MENU command as defined in:

- TS 31.111 [15] clause 5, clause 6.4.8, clause 6.6.7, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.9 and clause 9.4

The ME shall support MENU SELECTION as defined in:

- TS 31.111 [15] clause 4.4, clause 5.2, clause 6.4.8, clause 6.9, clause 7.2, clause 8.7 and clause 8.10.
- Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in ISO/IEC 10646 [17].

27.22.4.8.8.3 Test purpose

To verify that the ME correctly integrates the menu items in UCS2 coding contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the ME removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

To verify that when the help is available for the command and the user gas indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

27.22.4.8.8.4 Method of test

27.22.4.8.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.8.4.2 Procedure

Expected Sequence 8.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 – Chinese characters)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.8.4.2, Expected Sequence 8.1.

27.22.4.8.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.1.

27.22.4.8.9 SET UP MENU (UCS2 display in Katakana) and ENVELOPE MENU SELECTION

27.22.4.8.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.8.9.2 Conformance requirement

The ME shall support the SET UP MENU command as defined in:

- TS 31.111 [15] clause 5, clause 6.4.8, clause 6.6.7, clause 6.8, clause 6.11, clause 8.6, clause 8.7, clause 8.2, clause 8.9 and clause 9.4.

The ME shall support MENU SELECTION as defined in:

- TS 31.111 [15] clause 4.4, clause 5.2, clause 6.4.8, clause 6.9, clause 7.2, clause 8.7 and clause 8.10.
- Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in ISO/IEC 10646 [17].

27.22.4.8.9.3 Test purpose

To verify that the ME correctly integrates the menu items in UCS2 coding contained in the SET UP MENU proactive UICC command, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the ME removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the ME correctly passes the identifier of the selected menu item to the UICC using the ENVELOPE (MENU SELECTION) command.

To verify that when the help is available for the command and the user gas indicated the need to get help information on one of the items, the ME informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

27.22.4.8.9.4 Method of test

27.22.4.8.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as Toolkit default.

The ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

27.22.4.8.9.4.2 Procedure

Expected Sequence 9.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 in Katakana Characters)

See ETSI TS 102 384 [26] in subclause 27.22.4.8.9.4.2, Expected Sequence 9.1.

27.22.4.8.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.1.

27.22.4.9 SELECT ITEM

27.22.4.9.1 SELECT ITEM (mandatory features for ME supporting SELECT ITEM)

27.22.4.9.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.1.2 Conformance requirement

The ME shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 6.4.9, clause 6.6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.9, clause 9.4 and clause 10.

27.22.4.9.1.3 Test purpose

To verify that the ME correctly presents the set of items contained in the SELECT ITEM proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

To verify that the ME allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the ME returns a TERMINAL RESPONSE with "Proactive UICC application session terminated by the user", if the user has indicated the need to end the proactive UICC session.

To verify that the ME returns a TERMINAL RESPONSE with "Backwards move in the proactive UICC application session requested by the user", if the user has indicated the need to go backwards in the proactive UICC application session.

27.22.4.9.1.4 Method of test

27.22.4.9.1.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.1.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.1.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.2.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.3.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (SELECT ITEM, "Y", successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.5.

Expected Sequence 1.6 (SELECT ITEM, Large menu, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.1.4.2, Expected Sequence 1.6.

The following table details the test commands with relation to the tested features:

	Proactive UI	CC Command	d Facilities
Proactive UICC 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

27.22.4.9.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1, 1.2, 1.3, 1.4, 1.5 and 1.6 (SELECT ITEM, mandatory features).

27.22.4.9.2 SELECT ITEM (next action support)

27.22.4.9.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.2.2 Conformance Requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.2.3 Test purpose

To verify that the mobile supports next action indicator mode.

27.22.4.9.2.4 Method of test

27.22.4.9.2.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.2.4.2 Procedure

Expected Sequence 2.1 (SELECT ITEM, next action indicator, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.2.4.2, Expected Sequence 2.1.

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)

27.22.4.9.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.3.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.3.3 Test purpose

To verify that the mobile supports "default item" mode.

27.22.4.9.3.4 Method of test

27.22.4.9.3.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.3.4.2 Procedure

Expected Sequence 3.1 (SELECT ITEM, default item, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.3.4.2, Expected Sequence 3.1.

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)

27.22.4.9.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.4.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.4.3 Test purpose

To verify that the mobile supports "help request" for the command Select Item.

27.22.4.9.4.4 Method of test

27.22.4.9.4.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.4.4.2 Procedure

Expected Sequence 4.1 (SELECT ITEM, help request, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.4.4.2, Expected Sequence 4.1.

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)

27.22.4.9.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.5.2 Conformance requirement

Same as clause 27.22.4.9.1.2 and TS 31.111 [15] clause 8.31 and clause 8.32.

27.22.4.9.5.3 Test purpose

To verify that the mobile displays icons with the command Select Item.

27.22.4.9.5.4 Method of test

27.22.4.9.5.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.5.4.2 Procedure

Expected Sequence 5.1A (SELECT ITEM, BASIC ICON NOT SELF EXPLANATORY, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.5.4.2, Expected Sequence 5.1A.

Expected Sequence 5.1B (SELECT ITEM, BASIC ICON NOT SELF EXPLANATORY, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.5.4.2, Expected Sequence 5.1B.

Expected Sequence 5.2A (SELECT ITEM, BASIC ICON SELF EXPLANATORY, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.5.4.2, Expected Sequence 5.2A.

Expected Sequence 5.2B (SELECT ITEM, BASIC ICON SELF EXPLANATORY, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.5.4.2, Expected Sequence 5.2B.

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)

27.22.4.9.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.6.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.6.3 Test purpose

To verify that the mobile supports the "presentation style" with the command Select Item.

27.22.4.9.6.4 Method of test

27.22.4.9.6.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.6.4.2 Procedure

Expected Sequence 6.1 (SELECT ITEM, PRESENTATION AS A CHOICE OF NAVIGATION OPTIONS, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.6.4.2, Expected Sequence 6.1.

Expected Sequence 6.2 (SELECT ITEM, PRESENTATION AS A CHOICE OF DATA VALUES, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.6.4.2, Expected Sequence 6.2.

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)

27.22.4.9.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.7.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.7.3 Test purpose

To verify that the mobile supports the "soft keys" with the command Select Item.

27.22.4.9.7.4 Method of test

27.22.4.9.7.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.7.4.2 Procedure

Expected Sequence 7.1 (SELECT ITEM, SELECTING USING SOFT KEYS PREFERRED, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.7.4.2, Expected Sequence 7.1.

27.22.4.9.7.5 Test requirement

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

27.22.4.9.8 SELECT ITEM (Support of "No response from user")

27.22.4.9.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.8.2 Conformance requirement

Same as clause 27.22.4.9.1.2.

27.22.4.9.8.3 Test purpose

To verify that after a period of user inactivity the ME returns a "No response from user" result value in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.9.8.4 Method of test

27.22.4.9.8.4.1 Initial conditions

The ME is connected to the USIM 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 ME Manufacturer shall have defined the "no response from user" period of time as declared in table A.2/4.

The USIM Simulator shall be set to that period of time.

27.22.4.9.8.4.2 Procedure

Expected Sequence 8.1 (SELECT ITEM, no response from user)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.8.4.2, Expected Sequence 8.1.

27.22.4.9.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 8.1.

27.22.4.9.9 SELECT ITEM (Support of Text Attribute)

27.22.4.9.9.1 SELECT ITEM (Support of Text Attribute – Left Alignment)

27.22.4.9.9.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.1.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.1.3 Test purpose

To verify that the ME displays text formatted according to the left alignment text attribute configuration within the command Select Item.

27.22.4.9.9.1.4 Method of test

27.22.4.9.9.1.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.1.4.2 Procedure

Expected Sequence 9.1 (SELECT ITEM, Text Attribute – Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.1.4.2, Expected Sequence 9.1.

27.22.4.9.9.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.1.

27.22.4.9.9.2 SELECT ITEM (Support of Text Attribute – Center Alignment)

27.22.4.9.9.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.2.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.2.3 Test purpose

To verify that the ME displays text formatted according to the center alignment text attribute configuration within the command Select Item.

27.22.4.9.9.2.4 Method of test

27.22.4.9.9.2.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.2.4.2 Procedure

Expected Sequence 9.2 (SELECT ITEM, Text Attribute – Center Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.2.4.2, Expected Sequence 9.2.

27.22.4.9.9.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.2.

27.22.4.9.9.3 SELECT ITEM (Support of Text Attribute – Right Alignment)

27.22.4.9.9.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.3.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.3.3 Test purpose

To verify that the ME displays text formatted according to the right alignment text attribute configuration within the command Select Item.

27.22.4.9.9.3.4 Method of test

27.22.4.9.9.3.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.3.4.2 Procedure

Expected Sequence 9.3 (SELECT ITEM, Text Attribute – Right Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.3.4.2, Expected Sequence 9.3.

27.22.4.9.9.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.3.

27.22.4.9.9.4 SELECT ITEM (Support of Text Attribute – Large Font Size)

27.22.4.9.9.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.4.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.4.3 Test purpose

To verify that the ME displays text formatted according to the large font size text attribute configuration within the command Select Item.

27.22.4.9.9.4.4 Method of test

27.22.4.9.9.4.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.4.4.2 Procedure

Expected Sequence 9.4 (SELECT ITEM, Text Attribute – Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.4.4.2, Expected Sequence 9.4.

27.22.4.9.9.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.4.

27.22.4.9.9.5 SELECT ITEM (Support of Text Attribute – Small Font Size)

27.22.4.9.9.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.5.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

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27.22.4.9.9.5.3 Test purpose

To verify that the ME displays text formatted according to the small font size text attribute configuration within the command Select Item.

27.22.4.9.9.5.4 Method of test

27.22.4.9.9.5.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.5.4.2 Procedure

Expected Sequence 9.5 (SELECT ITEM, Text Attribute – Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.5.4.2, Expected Sequence 9.5.

27.22.4.9.9.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.5.

27.22.4.9.9.6 SELECT ITEM (Support of Text Attribute – Bold On)

27.22.4.9.9.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.6.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.6.3 Test purpose

To verify that the ME displays text formatted according to the bold text attribute configuration within the command Select Item.

27.22.4.9.9.6.4 Method of test

27.22.4.9.9.6.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.6.4.2 Procedure

Expected Sequence 9.6 (SELECT ITEM, Text Attribute – Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.6.4.2, Expected Sequence 9.6.

27.22.4.9.9.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.6.

27.22.4.9.9.7 SELECT ITEM (Support of Text Attribute – Italic On)

27.22.4.9.9.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.7.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.7.3 Test purpose

To verify that the ME displays text formatted according to the italic text attribute configuration within the command Select Item.

27.22.4.9.9.7.4 Method of test

27.22.4.9.9.7.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.7.4.2 Procedure

Expected Sequence 9.7 (SELECT ITEM, Text Attribute – Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.7.4.2, Expected Sequence 9.7.

27.22.4.9.9.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.7.

27.22.4.9.9.8 SELECT ITEM (Support of Text Attribute – Underline On)

27.22.4.9.9.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.8.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.8.3 Test purpose

To verify that the ME displays text formatted according to the underline text attribute configuration within the command Select Item.

27.22.4.9.9.8.4 Method of test

27.22.4.9.9.8.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.8.4.2 Procedure

Expected Sequence 9.8 (SELECT ITEM, Text Attribute - Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.8.4.2, Expected Sequence 9.8.

27.22.4.9.9.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.8.

27.22.4.9.9.9 SELECT ITEM (Support of Text Attribute – Strikethrough On)

27.22.4.9.9.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.9.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.9.3 Test purpose

To verify that the ME displays text formatted according to the strikethrough text attribute configuration within the command Select Item.

27.22.4.9.9.9.4 Method of test

27.22.4.9.9.9.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.9.4.2 Procedure

Expected Sequence 9.9 (SELECT ITEM, Text Attribute – Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.9.4.2, Expected Sequence 9.9.

27.22.4.9.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.9.

27.22.4.9.9.10 SELECT ITEM (Support of Text Attribute – Foreground and Background Colour)

27.22.4.9.9.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.9.10.2 Conformance requirement

Requirements are the same as in clause 27.22.4.9.1.2, with an additional one:

- 3GPP 31.111 [15] clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.10.3 Test purpose

To verify that the ME displays text formatted according to the foreground and background colour text attribute configuration within the command Select Item.

27.22.4.9.9.10.4 Method of test

27.22.4.9.9.10.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.9.10.4.2 Procedure

Expected Sequence 9.10 (SELECT ITEM, Text Attribute – Foreground and Background Colour)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.9.10.4.2, Expected Sequence 9.10.

27.22.4.9.9.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 9.10.

27.22.4.9.10 SELECT ITEM (UCS2 display in Cyrillic)

27.22.4.9.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.10.2 Conformance requirement

The ME shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 6.4.9, clause 6.6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.9, clause 9.4 and clause 10.
- Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic characters, as defined in ISO/IEC 10646 [17].

27.22.4.9.10.3 Test purpose

To verify that the ME correctly presents the set of items in UCS2 coding contained in the SELECT ITEM proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

To verify that the ME allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the ME returns a TERMINAL RESPONSE with "Proactive UICC application session terminated by the user", if the user has indicated the need to end the proactive UICC session.

To verify that the ME returns a TERMINAL RESPONSE with "Backwards move in the proactive UICC application session requested by the user", if the user has indicated the need to go backwards in the proactive UICC application session.

27.22.4.9.10.4 Method of test

27.22.4.9.10.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.10.4.2 Procedure

Expected Sequence 10.1 (SELECT ITEM with UCS2 in Cyrillic characters, 0x80 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.10.4.2, Expected Sequence 10.1.

Expected Sequence 10.2 (SELECT ITEM with UCS2 in Cyrillic characters, 0x81 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.10.4.2, Expected Sequence 10.2.

Expected Sequence 10.3 (SELECT ITEM with UCS2 in Cyrillic characters, 0x82 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.10.4.2, Expected Sequence 10.3.

27.22.4.9.10.5 Test requirement

The ME shall operate in the manner defined in expected sequences 10.1 to 10.3.

27.22.4.9.11 SELECT ITEM (UCS2 display in Chinese)

27.22.4.9.11.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.11.2 Conformance requirement

The ME shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 6.4.9, clause 6.6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.9, clause 9.4 and clause 10.
- Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in ISO/IEC 10646 [17].

27.22.4.9.11.3 Test purpose

To verify that the ME correctly presents the set of items in UCS2 coding contained in the SELECT ITEM proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

To verify that the ME allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the ME returns a TERMINAL RESPONSE with "Proactive UICC application session terminated by the user", if the user has indicated the need to end the proactive UICC session.

To verify that the ME returns a TERMINAL RESPONSE with "Backwards move in the proactive UICC application session requested by the user", if the user has indicated the need to go backwards in the proactive UICC application session.

27.22.4.9.11.4 Method of test

27.22.4.9.11.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.11.4.2 Procedure

Expected Sequence 11.1 (SELECT ITEM with UCS2 in Chinese characters, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.11.4.2, Expected Sequence 11.1.

27.22.4.9.11.5 Test requirement

The ME shall operate in the manner defined in expected sequence 11.1.

27.22.4.9.12 SELECT ITEM (UCS2 display in Katakana)

27.22.4.9.12.1 Definition and applicability

See clause 3.2.2.

27.22.4.9.12.2 Conformance requirement

The ME shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 6.4.9, clause 6.6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.9, clause 9.4 and clause 10.
- Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in ISO/IEC 10646 [17].

27.22.4.9.12.3 Test purpose

To verify that the ME correctly presents the set of items in UCS2 coding contained in the SELECT ITEM proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC with the identifier of the item chosen.

To verify that the ME allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the ME returns a TERMINAL RESPONSE with "Proactive UICC application session terminated by the user", if the user has indicated the need to end the proactive UICC session.

To verify that the ME returns a TERMINAL RESPONSE with "Backwards move in the proactive UICC application session requested by the user", if the user has indicated the need to go backwards in the proactive UICC application session.

27.22.4.9.12.4 Method of test

27.22.4.9.12.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.9.12.4.2 Procedure

Expected Sequence 12.1 (SELECT ITEM with UCS2 in Katakana characters, 0x80 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.12.4.2, Expected Sequence 12.1.

Expected Sequence 12.2 (SELECT ITEM with UCS2 - Katakana characters, 0x81 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.12.4.2, Expected Sequence 12.2.

Expected Sequence 12.3 (SELECT ITEM with UCS2 - Katakana characters, 0x82 UCS2 coding, successful)

See ETSI TS 102 384 [26] in subclause 27.22.4.9.12.4.2, Expected Sequence 12.3.

27.22.4.9.12.5 Test requirement

The ME shall operate in the manner defined in expected sequences 12.1 to 12.3.

27.22.4.10 SEND SHORT MESSAGE

27.22.4.10.1 SEND SHORT MESSAGE (normal)

27.22.4.10.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.1.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.

27.22.4.10.1.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.1.4 Method of test

27.22.4.10.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

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

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
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 12

TP-UD "Test Message"

Coding:

BER-TLV:	D0	37	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	F4	0C	54	65	73
	74	20	4D	65	73	73	61	67	65			

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 "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding8-bit dataMessage classclass 0TP-UDL12

TP-UD "Test Message"

Coding:

Coding	01	01	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

ER-TLV: 81 03 01 1	13 00 82	02 82 81	83 01 00
--------------------	----------	----------	----------

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

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

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: UICC
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 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 "01"

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 0 TP-UDL 7

TP-UD "Send SM"

Coding:

Coding 01	01	09	91	10	32	54	76	F8	40	F0	07	1
-----------	----	----	----	----	----	----	----	----	----	----	----	---

L3	B2	9B	0C	9A	36	01			
DS	DZ.	90	UC	3A	30	UI			

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.2.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE

Command qualifier: packing required

Device identities

Source device: ME
Destination device: UICC

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

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Short Message"

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 SMS default alphabet

Message class 0 TP-UDL 13

TP-UD "Short Message"

Coding:

BER-TLV:	D0	3D	81	03	01	13	00	82	02	81	83	85
	0D	53	68	6F	72	74	20	4D	65	73	73	61
	67	65	86	09	91	11	22	33	44	55	66	77
	F8	8B	18	01	00	09	91	10	32	54	76	F8
	40	F0	0D	53	F4	5B	4E	07	35	СВ	F3	79
	F8	5C	06									

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 "01"

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 0 TP-UDL 13

TP-UD "Short Message"

Coding:

Coding	01	01	09	91	10	32	54	76	F8	40	F0	0D
	53	F4	5B	4E	07	35	СВ	F3	79	F8	5C	06

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.4. 1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing required, 8 bit data]
		SHORT MESSAGE 1.4.1	
4	$ME \to USER$	Display "The address data object	[Alpha Identifier]
		holds the RP_Destination_Address	
		"	
5	$ME \to USS$	Send SMS-PP(SEND SHORT	[message of 140 bytes user data]
		MESSAGE) Message 1.4	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.4.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.4.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE

Command qualifier: packing required

Device identities

Source device: UICC
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 coding8 bit dataMessage classclass 0TP-UDL160

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								
		1	<u> </u>	l	1	1	1	l	1	1	1	

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 "01"

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 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:

Coding		01	01	09	91	10	32	54	76	F8	40	F0
	A0	D4	FB	1B	44	CF	C3	СВ	73	50	58	5E
	06	91	СВ	E6	B4	BB	4C	D6	81	5A	A0	20
	68	8E	7E	СВ	E9	A0	76	79	3E	0F	9F	СВ
	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	СВ
	41	61	37	68	DA	9C	B6	86	CF	66	33	E8
	24	82	DA	E5	F9	3C	7C	2E	В3	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	СВ	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: UICC

Result

General Result: Command performed successfully

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 characters user data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 1.5.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 1.5.1	
4	$ME \rightarrow USER$	Display "The address data object	[Alpha Identifier]
		holds the RP Destination Address "	
5	$ME \to USS$	Send SMS-PP (SEND SHORT	[message of 140 bytes user data]
		MESSAGE) Message 1.5	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 1.5.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.5.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
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 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 0 TP-UDL 160

TP-UD "Two types are defined: - A short message to be sent to the network in an

SMS-SUBMIT message, or an SMS-COMMAND message, where the user data can

be passed transp"

BER-TLV:	D0	81	E9	81	03	01	13	00	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	20	44	65	73	74	69	6E	61	74	69
6F	6E	20	41	64	64	72	65	73	73	86	09
91	11	22	33	44	55	66	77	F8	8B	81	98
01	00	09	91	10	32	54	76	F8	40	F0	A0
D4	FB	1B	44	CF	C3	СВ	73	50	58	5E	06
91	СВ	E6	B4	BB	4C	D6	81	5A	A0	20	68
8E	7E	СВ	E9	A0	76	79	3E	0F	9F	СВ	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	СВ	41
61	37	68	DA	9C	B6	86	CF	66	33	E8	24
82	DA	E5	F9	3C	7C	2E	В3	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
СВ	64	10	5D	1E	76	CF	E1				

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 TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

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 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	01	01	09	91	10	32	54	76	F8	40	F0	A0

D4	FB	1B	44	CF	C3	СВ	73	50	58	5E	06
91	СВ	E6	B4	BB	4C	D6	81	5A	A0	20	68
8E	7E	СВ	E9	A0	76	79	3E	0F	9F	СВ	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	СВ	41
61	37	68	DA	9C	B6	86	CF	66	33	E8	24
82	DA	E5	F9	3C	7C	2E	В3	40	77	74	59
5E	06	D1	D1	65	50	7D	5E	96	83	C8	61
7A	18	34	0E	BB	41	E2	32	80	1E	9E	CF
СВ	64	10	5D	1E	76	CF	E1				

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.5.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

		00		1 40					01			
BER-TLV:	81	03	01	13	00	82	02	82	81	83	01	00

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

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

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.6.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
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 0
TP-UDL 1
TP-UD " "

BER-TLV:	D0	81	FD	81	03	01	13	00	82	02	81	83
	85	81	E6	54	77	6F	20	74	79	70	65	73

20	61	72	65	20	64	65	66	69	6E	65	64
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	6 ^E	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	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 "01"

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 0
TP-UDL 1
TP-UD " "

Coding	01	01	02	91	10	40	F0	01	20

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.6.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

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

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.7.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier:

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 12

TP-UD "Test Message"

Coding:

BER-TLV:	D0	30	81	03	01	13	00	82	02	81	83	85
	00	86	09	91	11	22	33	44	55	66	77	F8
	8B	18	01	00	09	91	10	32	54	76	F8	40
	F4	0C	54	65	73	74	20	4D	65	73	73	61
	67	65										

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 "01"

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:

Coding	01	01	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.7.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

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

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.8.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

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 12

TP-UD "Test Message"

Coding:

BER-TLV:	D0	2E	81	03	01	13	00	82	02	81	83	86
	09	91	11	22	33	44	55	66	77	F8	8B	18
	01	00	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

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 "01"

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:

	Coding	01	01	09	91	10	32	54	76	F8	40	F4	0C	
٠		54	65	73	74	20	4D	65	73	73	61	67	65	

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.8.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.1.5 Test requirement

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

27.22.4.10.2 SEND SHORT MESSAGE (UCS2 display in Cyrillic)

27.22.4.10.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.2.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.

Additionally, the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.10.2.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.2.4 Method of test

27.22.4.10.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.10.2.4.2 Procedure

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 2.1.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 2.1.1	[packing not required, 16-bit data]
4	ME → USER	Display "ЗДРАВСТВУЙТЕ"	[Alpha Identifier]
-	IVIL -> OOLIK	Display Odi Aborbitti	"Hello" in Russian, 0x80 coding of UCS2
			format
5	$ME \to USS$	Send SMS-PP (SEND SHORT	Cyrillic
_		MESSAGE) Message 2.1	
6	USS → ME	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 2.1.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 2.1.2	
10	$ME \rightarrow UICC$	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND SEND	
12	$ME \rightarrow USER$	SHORT MESSAGE 2.1.2 Display "ЗДРАВСТВУЙТЕ"	[Alpha Identifier]
12	IVIL → USEK	Display Odi Aborbyine	"Hello" in Russian, 0x81 coding of UCS2
			format
13	$ME \to USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 2.1	
14	USS → ME	SMS RP-ACK	[Oans are also and a series and
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 2.1.1	[Command performed successfully]
16	$UICC \to ME$	PROACTIVE UICC SESSION	
	OIOO / IVIL	ENDED	
17	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
40		MESSAGE 2.1.3	
18	ME → UICC	FETCH	[LICS2 alphabat]
19	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 2.1.3	[UCS2 alphabet]
20	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	[Alpha Identifier]
	, , , , , ,	-1	"Hello" in Russian, 0x82 coding of UCS2
1			format
21	$ME \to USS$	Send SMS-PP (SEND SHORT	
00		MESSAGE) Message 2.1	
22	USS → ME	SMS RP-ACK	[Command parformed assessed that
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 2.1.1	[Command performed successfully]
24	$UICC \to ME$	PROACTIVE UICC SESSION	
	3.33 / WL	ENDED	
•	-	•	•

PROACTIVE COMMAND: SEND SHORT MESSAGE: 2.1.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ"

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

ТР-UD "ЗДРАВСТВУЙТЕ"

Coding:

BER-TLV:	D0	55	81	03	01	13	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	86	09	91	11	22	33	44	55	66	77
	F8	8B	24	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 "01"

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 0

TP-UDL 24

ТР-UD "ЗДРАВСТВУЙТЕ"

Coding:

Coding	01	01	09	91	10	32	54	76	F8	40	80	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

PROACTIVE COMMAND: SEND SHORT MESSAGE: 2.1.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ"

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 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

ТР-UD "ЗДРАВСТВУЙТЕ"

BER-TLV:	D0	4B	81	03	01	13	00	82	02	81	83	85
	0F	81	0C	08	97	94	A0	90	92	A1	A2	92
	А3	99	A2	95	86	09	91	11	22	33	44	55
	66	77	F8	8B	24	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							

PROACTIVE COMMAND: SEND SHORT MESSAGE: 2.1.3

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE Command qualifier: packing not required

Device identities

Source device: **UICC** Destination device: Network

"ЗДРАВСТВУЙТЕ" Alpha identifier:

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"

"012345678" Address value

TP-PID Short message type 0

TP-DCS

16-bit data Message coding class 0 Message class TP-UDL 24

"ЗДРАВСТВУЙТЕ" TP-UD

Coding:

BER-TLV:	D0	4C	81	03	01	13	00	82	02	81	83	85
	10	82	0C	04	10	87	84	90	80	82	91	92
	82	93	89	92	85	86	09	91	11	22	33	44
	55	66	77	F8	8B	24	01	00	09	91	10	32
	54	76	F8	40	80	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 2.1.1

Logically:

Command details

Command number:

SEND SHORT MESSAGE Command type: packing not required

Command qualifier:

Device identities

Source device: ME
Destination device: UICC

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 2.1.

27.22.4.10.3 SEND SHORT MESSAGE (icon support)

27.22.4.10.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.3.2 Conformance requirement

27.22.4.10.3.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.3.4 Method of test

27.22.4.10.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as Toolkit default.

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

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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 3.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data]
		SHORT MESSAGE 3.1.1	
4	$ME \rightarrow USER$	Displays the icon and not the alpha	[basic icon self-explanatory]
		identifier	
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 3.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 3.1.1A	

PROACTIVE COMMAND: SEND SHORT MESSAGE 3.1.1

200

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
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 coding8bit-dataMessage classclass 0TP-UDL12

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	F8	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 "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding8-bit dataMessage classclass 0TP-UDL12

TP-UD "Test Message"

Coding:

Coding	01	01	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.1.1A

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Destination device: Result

General Result: Command performed successfully

Coding:

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

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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 3.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data, basic icon
		SHORT MESSAGE 3.1.1	self-explanatory]]
4	$ME \rightarrow USER$	Displays the alpha identifier	·
		without the icon	
5	$ME \to USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 3.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully, but
		SHORT MESSAGE 3.1.1B	requested icon could not be displayed]

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.1.1B

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

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

PROACTIVE COMMAND: SEND SHORT MESSAGE 3.2.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
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 coding8bit-dataMessage classclass 0TP-UDL12

TP-UD "Test Message"

Icon Identifier

Icon Qualifier non-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	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	F4	0C	54	65	73
	74	20	4D	65	73	73	61	67	65	1E	02	01
	01											

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 TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

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:

Coding	01	01	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.2.1A

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 3.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data, basic icon
		SHORT MESSAGE 3.2.1	non-self-explanatory]
4	$ME \rightarrow USER$	display "Send SM" without the icon	
5	$ME \to USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 3.2	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully, but
		SHORT MESSAGE 3.2.1B	requested icon could not be displayed]

TERMINAL RESPONSE: SEND SHORT MESSAGE 3.2.1B

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

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.

27.22.4.10.4 SEND SHORT MESSAGE (Support of Text Attribute)

27.22.4.10.4.1 SEND SHORT MESSAGE (Support of Text Attribute – Left Alignment)

27.22.4.10.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.1.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.1.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the left alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.1.4 Method of test

27.22.4.10.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.1.4.2 Procedure

Expected Sequence 4.1 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Left Alignment, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT	
		MESSAGE 4.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.1	[packing not required, SMS default alphabet]
4	$ME \rightarrow USER$		[Message shall be formatted with left alignment]
5	$ME \to USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.1.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.1.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.2	[packing not required, SMS default alphabet]
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/11, no alignment change will take place]
12	$ME \to USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.1.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 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 0
TP-UDL 1
TP-UD " "

Coding:

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20								

SMS-PP (SEND SHORT MESSAGE) Message 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-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 "01"

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 0
TP-UDL 1
TP-UD " "

Coding:

Coding	01	01	02	91	10	40	F0	01	20

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.1.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.10.4.2 SEND SHORT MESSAGE (Support of Text Attribute – Center Alignment)

27.22.4.10.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.2.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.2.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the center alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.2.4 Method of test

27.22.4.10.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.2.4.2 Procedure

Expected Sequence 4.2 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Center Alignment, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT MESSAGE 4.2.1	
2	ME → UICC	FETCH	
3		PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
	0.00 /	SHORT MESSAGE 4.2.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with center alignment]
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.2.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.2.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.2.2	[packing not required, SMS default alphabet]
11	ME → USER	Display "Text Attribute 2"	[Message shall be formatted without center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/11, no alignment change will take place]
12	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.2.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI 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 0 TP-UDL 1 TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough

Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	01	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.2.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 0
TP-UDL 1
TP-UD " "

Coding:

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.10.4.3 SEND SHORT MESSAGE (Support of Text Attribute – Right Alignment)

27.22.4.10.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.3.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.3.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the right alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.3.4 Method of test

27.22.4.10.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.3.4.2 Procedure

Expected Sequence 4.3 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Right Alignment, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.3.1	[packing not required, SMS default alphabet]
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with right alignment]
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.3.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.3.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.3.2	[packing not required, SMS default alphabet]
11	ME → USER	Display "Text Attribute 2"	[Message shall be formatted without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/11, no alignment change will take place]
12	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.3.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI 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 0 TP-UDL 1 TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough

Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	02	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.3.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.10.4.4 SEND SHORT MESSAGE (Support of Text Attribute – Large Font Size)

27.22.4.10.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.4.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.4.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the large font size text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.4.4 Method of test

27.22.4.10.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.4.4.2 Procedure

Expected Sequence 4.4 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Large Font Size, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
_		MESSAGE 4.4.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.1	[packing not required, SMS default alphabet]
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with large font size]
5	ME → USS	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
6	USS → ME	SMS RP-ACK	[O
7	ME → UICC	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.4.1	[Command performed successfully]
8	UICC → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.4.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.2	[packing not required, SMS default alphabet]
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with normal font size]
12	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	ME → UICC	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.4.1	[Command performed successfully]
15	UICC → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.4.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.1	[packing not required, SMS default alphabet]
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with large font size]
19	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
20	$USS \to ME$	SMS RP-ACK	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.4.1	[Command performed successfully]
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.4.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.3	[packing not required, SMS default alphabet]
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with normal font size]
26	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
27	$USS \to ME$	SMS RP-ACK	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.4.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	04	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 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 0 TP-UDL 1 TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.4.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

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 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 0 TP-UDL 1 TP-UD " "

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62

75	74	65	20	33	8B	09	01	00	02	91	10
40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.4.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

IBER-TI V	81	03	01	13	00	82	02	82	81	83	01	00
BER IE												

27.22.4.10.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.10.4.5 SEND SHORT MESSAGE (Support of Text Attribute – Small Font Size)

27.22.4.10.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.5.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.5.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the small font size text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.5.4 Method of test

27.22.4.10.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.5.4.2 Procedure

Expected Sequence 4.5 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Small Font Size, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
2	ME LUCC	MESSAGE 4.5.1	
2 3	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
3		SHORT MESSAGE 4.5.1	[packing not required, Sivio default alphabet]
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with small font
			size]
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
6	$USS \to ME$	MESSAGE) Message 4.1 SMS RP-ACK	
7	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
,	WIE 70100	SHORT MESSAGE 4.5.1	[Command performed edecederally]
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
	ME LUCC	MESSAGE 4.5.2 FETCH	
9	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
10	OICC → IVIL	SHORT MESSAGE 4.5.2	[packing not required, Sive detault diphaset]
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with normal font
4.0		0 1010 55 (0515 011057	size]
12	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.5.1	, , ,
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT MESSAGE 4.5.1	
16	ME → UICC	FETCH	
17	UICC → ME	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.5.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with small font
19	ME LICE	Sand SMS DD (SEND SHORT	size]
19	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
20	$USS \to ME$	SMS RP-ACK	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.5.1	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT	
		MESSAGE 4.5.3	
23	ME → UICC	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
0.5		SHORT MESSAGE 4.5.3	Manager at the family of the state of the st
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with normal font size]
26	$ME \to USS$	Send SMS-PP (SEND SHORT	3126]
	/ 000	MESSAGE) Message 4.1	
27	$USS \to ME$	SMS RP-ACK	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.5.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0 TP-UDL 1

TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	80	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.5.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 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 0 TP-UDL 1

TP-UD " "
Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.5.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

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 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 0 TP-UDL 1 TP-UD " "

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62

75	74	65	20	33	8B	09	01	00	02	91	10
40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	12	00	82	02	22	81	83	Λ1	00
DEK-ILV.	01	03	UI	13	00	02	02	82	01	03	UI	00

27.22.4.10.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.10.4.6 SEND SHORT MESSAGE (Support of Text Attribute – Bold On)

27.22.4.10.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.6.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.6.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the bold text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.6.4 Method of test

27.22.4.10.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.6.4.2 Procedure

Expected Sequence 4.6 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Bold On, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 4.6.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.6.1	
4	ME → USER	Display "Text Attribute 1"	[Message shall be formatted with bold on]
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
6	LICO ME	MESSAGE) Message 4.1 ISMS RP-ACK	
6 7	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	TERMINAL RESPONSE: SEND	[Command performed successfully]
/	INIE → DICC	SHORT MESSAGE 4.6.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 4.6.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.6.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with bold off]
12	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
15	LUCC ME	SHORT MESSAGE 4.6.1 PROACTIVE COMMAND	
13	$UICC \to ME$	PENDING: SEND SHORT	
		MESSAGE 4.6.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.6.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with bold on]
19	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 4.1	
20	USS → ME	SMS RP-ACK	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
22	$UICC \to ME$	SHORT MESSAGE 4.6.1 PROACTIVE COMMAND	
22		PENDING: SEND SHORT	
		MESSAGE 4.6.3	
23	ME → UICC	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
1		SHORT MESSAGE 4.6.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with bold off]
26	$ME \to USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 4.1	
27	USS → ME	SMS RP-ACK	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.6.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE Command qualifier: packing not required

Device identities

Source device: UICC

Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-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 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	10	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.6.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 0 TP-UDL 1

TP-UD Text Attribute

> Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.6.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

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 0
TP-UDL 1
TP-UD ""

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	8B	09	01	00	02	91	10
	40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.10.4.7 SEND SHORT MESSAGE (Support of Text Attribute – Italic On)

27.22.4.10.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.7.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.7.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the italic text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.7.4 Method of test

27.22.4.10.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.7.4.2 Procedure

Expected Sequence 4.7 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Italic On, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 4.7.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
4	$ME \to USER$	SHORT MESSAGE 4.7.1 Display "Text Attribute 1"	[Message shall be formatted with italic on]
5	ME → USS	Send SMS-PP (SEND SHORT	[iviessage shall be formatted with italic on]
3		MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
	, , , , ,	SHORT MESSAGE 4.7.1	[[
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 4.7.2	
9	ME → UICC	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
11	$ME \to USER$	SHORT MESSAGE 4.7.2 Display "Text Attribute 2"	[Message shall be formatted with italic off]
12	ME → USS	Send SMS-PP (SEND SHORT	[INESSAGE SHAII DE TOTTHAILEG WITH ITAIIC ON]
'-	IVIL -> 000	MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.7.1	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
40	ME IIIOO	MESSAGE 4.7.1 FETCH	
16 17	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
17		SHORT MESSAGE 4.7.1	[packing not required, Sivio default alphabet]
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with italic on]
19	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	[g
		MESSAGE) Message 4.1	
20	$USS \to ME$	SMS RP-ACK	
21	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
00		SHORT MESSAGE 4.7.1	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT MESSAGE 4.7.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
	5.55 / ME	SHORT MESSAGE 4.7.3	ar management of the second distribution
25	$ME \to USER$	Display "Text Attribute 3"	[Message shall be formatted with italic off]
26	$ME \to USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 4.1	
27	$USS \to ME$	SMS RP-ACK	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.7.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE Command qualifier: packing not required

Device identities

Source device: UICC

Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	20	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.7.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.7.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

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 0 TP-UDL 1 TP-UD " "

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	8B	09	01	00	02	91	10
	40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.10.4.8 SEND SHORT MESSAGE (Support of Text Attribute – Underline On)

27.22.4.10.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.8.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.8.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the underline text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.8.4 Method of test

27.22.4.10.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.8.4.2 Procedure

Expected Sequence 4.8 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Underline On, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT MESSAGE 4.8.1	
2	ME → UICC	FETCH	
3	UICC → ME	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.8.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with underline
5	$ME \to USS$	Send SMS-PP (SEND SHORT	on]
	WIL → 000	MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
8	$UICC \to ME$	SHORT MESSAGE 4.8.1 PROACTIVE COMMAND	
0		PENDING: SEND SHORT	
		MESSAGE 4.8.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.2	[packing not required, SMS default alphabet]
11	ME → USER	Display "Text Attribute 2"	Message shall be formatted with underline
	WE 700ER	Display Toke / Italia ato 2	off]
12	$ME \to USS$	Send SMS-PP (SEND SHORT	
10	LICO ME	MESSAGE) Message 4.1 SMS RP-ACK	
13 14	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	TERMINAL RESPONSE: SEND	[Command performed successfully]
'-		SHORT MESSAGE 4.8.1	[Confinant penomica successibility]
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
16	ME → UICC	MESSAGE 4.8.1 FETCH	
17	$VICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
	0.00 /	SHORT MESSAGE 4.8.1	g and g and g
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with underline
19	ME o USS	Send SMS-PP (SEND SHORT	on]
19	IVIE → USS	MESSAGE) Message 4.1	
20	$USS \to ME$	SMS RP-ACK	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
22	LUCC ME	SHORT MESSAGE 4.8.1	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT	
		MESSAGE 4.8.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
25	$ME \to USER$	SHORT MESSAGE 4.8.3 Display "Text Attribute 3"	[Message shall be formatted with underline
23	IVIE -> USEK	Display Text Attribute 3	off]
26	$ME \to USS$	Send SMS-PP (SEND SHORT	'
67		MESSAGE) Message 4.1	
27	USS → ME	SMS RP-ACK TERMINAL RESPONSE: SEND	[Command parformed augeocastully]
28	$ME \rightarrow UICC$	SHORT MESSAGE 4.8.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	40	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 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 0 TP-UDL 1 TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

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 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 0 TP-UDL 1 TP-UD " "

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62

75	74	65	20	33	8B	09	01	00	02	91	10
40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.8.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	12	00	82	02	22	81	83	Λ1	00
DEK-ILV.	01	03	UI	13	00	02	02	82	01	03	UI	00

27.22.4.10.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.10.4.9 SEND SHORT MESSAGE (Support of Text Attribute – Strikethrough On)

27.22.4.10.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.9.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.9.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the strikethrough text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.9.4 Method of test

27.22.4.10.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.9.4.2 Procedure

Expected Sequence 4.9 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Strikethrough On, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments					
1	$UICC \to ME$	PROACTIVE COMMAND						
		PENDING: SEND SHORT						
2	ME → UICC	MESSAGE 4.9.1 FETCH						
3	$UICC \to UICC$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]					
3	OICC → IVIE	SHORT MESSAGE 4.9.1	[packing not required, Sivio default alphabet]					
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with					
	, 002it		strikethrough on]					
5	$ME \to USS$	Send SMS-PP (SEND SHORT	3 1					
		MESSAGE) Message 4.1						
6	$USS \to ME$	SMS RP-ACK						
7	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]					
	11100 ME	SHORT MESSAGE 4.9.1						
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT						
		MESSAGE 4.9.2						
9	$ME \to UICC$	FETCH						
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]					
		SHORT MESSAGE 4.9.2						
11	$ME \to USER$	Display "Text Attribute 2"	[Message shall be formatted with					
			strikethrough off]					
12	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT						
12	$USS \to ME$	MESSAGE) Message 4.1 SMS RP-ACK						
13 14	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]					
17	IVIE → UICC	SHORT MESSAGE 4.9.1	[Command performed successfully]					
15	$UICC \to ME$	PROACTIVE COMMAND						
		PENDING: SEND SHORT						
		MESSAGE 4.9.1						
16	$ME \rightarrow UICC$	FETCH						
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]					
18	ME LICED	SHORT MESSAGE 4.9.1	[Massage shall be formatted with					
10	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with strikethrough on]					
19	$ME \to USS$	Send SMS-PP (SEND SHORT	Striketi rough on					
	WIE 7 000	MESSAGE) Message 4.1						
20	$USS \to ME$	SMS RP-ACK						
21	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]					
		SHORT MESSAGE 4.9.1						
22	$UICC \to ME$	PROACTIVE COMMAND						
		PENDING: SEND SHORT						
23	$ME \to UICC$	MESSAGE 4.9.3 FETCH						
23	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]					
		SHORT MESSAGE 4.9.3	[pasking not required, Sivio deladit dipriabet]					
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with					
			strikethrough off]					
26	$ME \to USS$	Send SMS-PP (SEND SHORT						
		MESSAGE) Message 4.1						
27	USS → ME	SMS RP-ACK						
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]					
		SHORT MESSAGE 4.9.1						

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "01"

TP-PID Short message type 0

TP-DCS

Message coding SMS default alphabet

Message class 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	80	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 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 0 TP-UDL 1 TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

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 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 0
TP-UDL 1
TP-UD " "

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62

75	74	65	20	33	8B	09	01	00	02	91	10
40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.9.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.10.4.10 SEND SHORT MESSAGE (Support of Text Attribute – Foreground and Background Colour)

27.22.4.10.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.10.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- ETSI TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31, 8.67 and clause 5.2.

27.22.4.10.4.10.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) and display the alpha identifier according to the foreground and background colour text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.10.4 Method of test

27.22.4.10.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

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

27.22.4.10.4.10.4.2 Procedure

Expected Sequence 4.10 (SEND SHORT MESSAGE, alpha identifier with Text attribute – Foreground and Background Colour, packing not required, SMS default alphabet, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
_		MESSAGE 4.10.1	
2	WE / 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.10.1	[packing not required, SMS default alphabet]
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with foreground and background colour according to text attribute configuration]
5	$ME \to USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.10.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.10.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.10.2	[packing not required, SMS default alphabet]
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with ME"s default foreground and background colour]
12	$ME \to USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.10.1	[Command performed successfully]

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI 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 0
TP-UDL 1
TP-UD " "

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2C	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8B	09	01	00	02	91	10
	40	F0	01	20	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND SHORT MESSAGE 4.10.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

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 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 0 TP-UDL 1

TP-UD " "

Coding:

BER-TLV:	D0	26	81	03	01	13	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8B	09	01	00	02	91	10
	40	F0	01	20								

TERMINAL RESPONSE: SEND SHORT MESSAGE 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.10.5 SEND SHORT MESSAGE (UCS2 display in Chinese)

27.22.4.10.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.5.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.

Additionally, the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.10.5.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.5.4 Method of test

27.22.4.10.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.10.5.4.2 Procedure

Expected Sequence 5.1 (SEND SHORT MESSAGE, packing not required, UCS2 (16-bit data in Chinese))

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
1		PENDING: SEND SHORT	
		MESSAGE 5.1.1	
2	ME → UICC	FETCH	for a discount or assistant AO Life Lat 1
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 5.1.1	[packing not required, 16-bit data]
4	$ME \rightarrow USER$		[Alpha Identifier]
	IVIL -> OOLK	Display "中一"	"Middle 1" in Chinese, 0x80 coding of UCS2
			format
5	$ME \to USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 5.1	
6	USS → ME	SMS RP-ACK	[0]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$UICC \to ME$	PROACTIVE COMMAND	
1		PENDING: SEND SHORT	
		MESSAGE 5.1.2	
10	ME → UICC	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND SEND SHORT MESSAGE 5.1.2	
12	$ME \rightarrow USER$		[Alpha Identifier]
'-	IVIL / OOLK	Display "中一"	"Middle 1" in Chinese, 0x81 coding of UCS2
1			format
13	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 5.1	
14	USS → ME	SMS RP-ACK	[Command parformed assessed that
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1	[Command performed successfully]
16	$UICC \to ME$	PROACTIVE UICC SESSION	
	3.00 / WIL	ENDED	
17	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
40	ME	MESSAGE 5.1.3	
18	ME → UICC	FETCH	[LICS2 alphabat]
19	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 5.1.3	[UCS2 alphabet]
20	$ME \rightarrow USER$	Display "中一"	[Alpha Identifier]
	, 55210	Display T	"Middle 1" in Chinese, 0x82 coding of UCS2
			format
21	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
22	LICO ME	MESSAGE) Message 5.1	
22	USS → ME	SMS RP-ACK	[Command performed successfully]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1	[Command performed successfully]
24	$UICC \to ME$	PROACTIVE UICC SESSION	
	5.00 /	ENDED	

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.1

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "中一"

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 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 "中一"

Coding:

BER-TLV:	D0	2D	81	03	01	13	00	82	02	81	83	85
	05	80	4E	2D	4E	00	86	09	91	11	22	33
	44	55	66	77	F8	8B	10	01	00	09	91	10
	32	54	76	F8	40	08	04	4E	2D	4E	00	

SMS-PP (SEND SHORT MESSAGE) Message 5.1

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 "01"

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 0 TP-UDL 24 TP-UD "中一"

BER-TLV:	01	01	09	91	10	32	54	76	F8	40	80	04
	4E	2D	4E	00								

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: packing not required

Device identities

Source device: UICC Destination device: Network Alpha identifier: "中一"

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 "中一"

Coding:

BER-TLV:	D0	2D	81	03	01	13	00	82	02	81	83	85
	05	81	02	9C	AD	80	86	09	91	11	22	33
	44	55	66	77	F8	8B	10	01	00	09	91	10
	32	54	76	F8	40	80	04	4E	2D	4E	00	

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC Destination device: Network Alpha identifier: "中一"

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 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 "中一"

Coding:

BER-TLV:	D0	2E	81	03	01	13	00	82	02	81	83	85
	06	82	02	4E	00	AD	80	86	09	91	11	22
	33	44	55	66	77	F8	8B	10	01	00	09	91
	10	32	54	76	F8	40	08	04	4E	2D	4E	00

TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.10.5.5 Test requirement

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

27.22.4.10.6 SEND SHORT MESSAGE (UCS2 display in Katakana)

27.22.4.10.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.6.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.10, clause 6.6.9, clause 8.1, clause 8.2, clause 8.6, clause 8.7, clause 8.13, clause 8.31 and clause 5.2.

Additionally, the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in the following technical specifications: ISO/IEC 10646 [17].

27.22.4.10.6.3 Test purpose

To verify that the ME correctly formats and sends a short message to the network (USS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.6.4 Method of test

27.22.4.10.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

27.22.4.10.6.4.2 Procedure

Expected Sequence 6.1 (SEND SHORT MESSAGE, packing not required, UCS2 (16-bit data, in Katakana))

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT	
		MESSAGE 6.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 6.1.1	[packing not required, 16-bit data]
4	$ME \rightarrow USER$	Display "80ル0"	[Characters in katakana]
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 6.1	
6	USS → ME	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 6.1.2	
10	$ME \rightarrow UICC$	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 6.1.2	[packing not required, 16-bit data]
12	$ME \rightarrow USER$	Display "81ル1"	[Characters in katakana]
13	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 6.2	
14	$USS \to ME$	SMS RP-ACK	
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1	[Command performed successfully]
16	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
17	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 6.1.3	
18	$ME \rightarrow UICC$	FETCH	
19	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 6.1.3	[packing not required, 16-bit data]
20	$ME \rightarrow USER$	Display "82ル2"	[Characters in katakana]
21	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 6.3	
22	$USS \to ME$	SMS RP-ACK	
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1	[Command performed successfully]
24	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	

PROACTIVE COMMAND: SEND SHORT MESSAGE: 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC Destination device: Network Alpha identifier: "80ル0"

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 a 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 10 TP-UD "80ル1"

Coding:

BER-TLV:	D0	35	81	03	01	13	00	82	02	81	83	85
	09	80	00	38	00	30	30	EB	00	30	86	09
	91	11	22	33	44	55	66	77	F8	8B	14	01
	00	09	91	10	32	54	76	F8	40	08	08	00
	38	00	30	30	EB	00	31					

SMS-PP (SEND SHORT MESSAGE) Message 6.1

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 "01"

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 0 TP-UDL 10 TP-UD "80ル1"

Coding 01 01 09 91 10 32 54 76	5 I F8 I /IO I O8 I O8 I
--------------------------------	--------------------------

	00	38	00	30	30	EB	00	31				
--	----	----	----	----	----	----	----	----	--	--	--	--

TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: SEND SHORT MESSAGE: 6.1.2

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "81ル1"

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 a 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 10
TP-UD "80 JL2"

BER-TLV:	D0	33	81	03	01	13	00	82	02	81	83	85
	07	81	04	61	38	31	EB	31	86	09	91	11
	22	33	44	55	66	77	F8	8B	14	01	00	09
	91	10	32	54	76	F8	40	08	08	00	38	00
	30	30	EB	00	32							

SMS-PP (SEND SHORT MESSAGE) Message 6.2

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 "01"

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 0 TP-UDL 10 TP-UD "80ル2"

Coding:

Coding	01	01	09	91	10	32	54	76	F8	40	80	80
1	00	38	00	30	30	EB	00	32				

PROACTIVE COMMAND: SEND SHORT MESSAGE: 6.1.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "821/12"

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 a 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 10

TP-UD "80ル3"

Coding:

BER-TLV:	D0	34	81	03	01	13	00	82	02	81	83	85
	08	82	04	30	A0	38	32	СВ	32	86	09	91
	11	22	33	44	55	66	77	F8	8B	14	01	00
	09	91	10	32	54	76	F8	40	08	08	00	38
	00	30	30	EB	00	33						

SMS-PP (SEND SHORT MESSAGE) Message 6.3

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 TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

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 0 TP-UDL 10 TP-UD "80ル3"

Coding	01	01	09	91	10	32	54	76	F8	40	80	80
	00	38	00	30	30	EB	00	33				

27.22.4.10.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.11 SEND SS

27.22.4.11.1 SEND SS (normal)

27.22.4.11.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.1.3 Test purpose

To verify that the ME correctly translates and sends the supplementary service request indicated in the SEND SS proactive UICC command to the USS.

To verify that the ME returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the SS and any contents of the SS result as additional data.

27.22.4.11.1.4 Method of test

27.22.4.11.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.11.1.4.2 Procedure

Expected Sequence 1.1A (SEND SS, call forward unconditional, all bearers, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 1.1.1	
4	$ME \rightarrow USER$	Display "Call Forward"	
5	$ME \to USS$	REGISTER 1.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1A	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 1.1.1A	

Expected Sequence 1.1B (SEND SS, call forward unconditional, all bearers, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 1.1.1	
4	$ME \rightarrow USER$	Display "Call Forward"	
5	$ME \to USS$	REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 1.1.1B	

PROACTIVE COMMAND: SEND SS 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Call Forward"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	29	81	03	01	11	00	82	02	81	83	85
	0C	43	61	6C	6C	20	46	6F	72	77	61	72
	64	89	10	91	AA	12	0A	21	43	65	87	09
	21	43	65	87	A9	01	FB					

REGISTER 1.1A

Logically (only SS argument):

REGISTER SS ARGUMENT

SS-Code:

- Call Forwarding Unconditional

TeleserviceCode

- All Tele Services

Forwarded To Number

- nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)
 TBCD String: 01234567890123456789

- longFTN-Supported

BFR-TI V	30	15	04	Λ1	21	83	01	00	84	0B	01	10
DEK-ILV	30	10	04	UI	I	03	UI	00	04	UD	91	10

32	54	76	98	10	32	54	76	98	89	00	

REGISTER 1.1B

Logically (only SS argument):

REGISTER SS ARGUMENT

SS-Code:

- Call Forwarding Unconditional

TeleserviceCode

- All Tele Services ForwardedToNumber

- nature of address ind.: international

- numbering plan ind.: ISDN/Telephony (E.164)

- TBCD String: 01234567890123456789

Coding:

BER-TLV	30	13	04	01	21	83	01	00	84	0B	91	10
	32	54	76	98	10	32	54	76	98			

RELEASE COMPLETE (SS RETURN RESULT) 1.1A

Logically (only from operation code):

REGISTER 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

long Forward ed To Number

- nature of address ind.: international

- numbering plan ind.: ISDN/Telephony (E.164)

- TBCD String: 01234567890123456789

Coding:

Coding	0A	A0	1A	04	01	21	30	15	30	13	83	01
	00	84	01	07	89	0B	91	10	32	54	76	98
	10	32	54	76	98							

RELEASE COMPLETE (SS RETURN RESULT) 1.1B

Logically (only from operation code):

REGISTER SS RETURN RESULT ForwardingInfo

SS-Code

- Call Forwarding Unconditional

Forward Feature List

ForwardingFeature

TeleserviceCode

- All Tele Services

SS-Status

- state ind .: operative

- provision ind.: provisioned - registration ind.: registered

- activation ind.: active

Coding:

Coding	0A	A0	0D	04	01	21	30	08	30	06	83	01
	00	84	01	07								

TERMINAL RESPONSE: SEND SS 1.1.1A

Logically:

Command details

Command number: 1

Command type: SEND SS

Command qualifier: "00"

Device identities

Source device: ME **UICC**

Destination device:

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	89	0B	91	10	32
	54	76	98	10	32	54	76	98			

TERMINAL RESPONSE: SEND SS 1.1.1B

Logically:

Command details

Command number:

SEND SS Command type:

"00" Command qualifier:

Device identities

Source device: ME Destination device: **UICC**

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

BER-TLV:	81	03	01	11	00	82	02	82	81	03	11
	00	0A	A0	0D	04	01	21	30	08	30	06
	83	01	00	84	01	07					

Expected Sequence 1.2 (SEND SS, call forward unconditional, all bearers, Return Error)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 1.1.1	
4	$ME \rightarrow USER$	Display "Call Forward"	
5	$ME \rightarrow USS$	REGISTER 1.1A	
		Or	
		REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN ERROR) 1.1	[Return Error]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 1.2.1	

RELEASE COMPLETE (SS RETURN ERROR) 1.1

Logically (only from error code):

Error Code: Facility not supported

Coding:

Coding	02	01	15

TERMINAL RESPONSE: SEND SS 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: SS Return Error Additional information: Error Code

Coding:

BER-TLV:	81	03	01	11	00	82	02	82	81	03	02
	34	15									

Expected Sequence 1.3 (SEND SS, call forward unconditional, all bearers, Reject)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 1.1.1	
4	$ME \rightarrow USER$	Display "Call Forward"	
5	$ME \to USS$	REGISTER 1.1A	
		Or	
		REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS REJECT) 1.1.	[Reject]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 1.3.1	

RELEASE COMPLETE (SS REJECT) 1.1

Logically (only from problem code):

Problem Code:

- General problem
- Unrecognized component

Coding:

Coding	80	01	00

TERMINAL RESPONSE: SEND SS 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: SS Return Error

Additional information: No specific cause can be given

Coding:

BER-TLV:	81	03	01	11	00	82	02	82	81	03	02
	34	00									

Expected Sequence 1.4A (SEND SS, call forward unconditional, all bearers, successful, SS request size limit)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 1.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 1.4.1	
4	$ME \rightarrow USER$	Display "Call Forward"	
5	$ME \to USS$	REGISTER 1.2A	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 1.2A	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 1.4.1A	

Expected Sequence 1.4B (SEND SS, call forward unconditional, all bearers, successful, SS request size limit)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 1.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 1.4.1	
4	$ME \rightarrow USER$	Display "Call Forward"	
5	$ME \to USS$	REGISTER 1.2B	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 1.2B	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 1.4.1B	

PROACTIVE COMMAND: SEND SS 1.4.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Call Forward"

SS String

TON: International

NPI: "ISDN / telephone numbering plan"

SS string: "**21*0123456789012345678901234567*11#"

Coding:

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	0C	43	61	6C	6C	20	46	6F	72	77	61	72
	64	89	14	91	AA	12	0A	21	43	65	87	09
	21	43	65	87	09	21	43	65	A7	11	FB	

REGISTER 1.2A

Logically (only SS argument):

REGISTER SS ARGUMENT

RegisterSSArg

SS-Code

Call Forwarding Unconditional

TeleserviceCode

See Note 1

Forwarded To Number

nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)

TBCD String: 0123456789012345678901234567

longFTN-Supported

Coding:

BER-TLV	30	19	04	01	21	83	01	Note 1	84	0F	91	10
	32	54	76	98	10	32	54	76	98	10	32	54
	76	89	00									

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

REGISTER 1.2B

Logically (only SS argument):

REGISTER SS ARGUMENT

RegisterSSArg

SS-Code

Call Forwarding Unconditional

TeleserviceCode

See Note 1

ForwardedToNumber

nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)

TBCD String: 012345678901234567

Coding:

BER-TLV	30	17	04	01	21	83	01	Note 1	84	0F	91	10
	32	54	76	98	10	32	54	76	98	10	32	54
	76											

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

Logically (only from operation code):

REGISTER SS RETURN RESULT

ForwardingInfo

SS-Code

- Call Forwarding Unconditional

Forward Feature List

ForwardingFeature

TeleserviceCode

- See Note 1

SS-Status

- state ind.: operative

- provision ind.: provisioned

registration ind.: registeredactivation ind.: active

longForwardedToNumber

- nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)TBCD String: 0123456789012345678901234567

Coding:

Coding	0A	A0	1E	04	01	21	30	19	30	17	83	01
	Note 1	84	01	07	89	0F	91	10	32	54	76	98
	10	32	54	76	98	10	32	54	76			

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

RELEASE COMPLETE (SS RETURN RESULT) 1.2B

Logically (only from operation code):

REGISTER SS RETURN RESULT

ForwardingInfo

SS-Code

- Call Forwarding Unconditional

ForwardFeatureList

ForwardingFeature

TeleserviceCode

- See Note 1

SS-Status

- state ind .: operative

provision ind.: provisionedregistration ind.: registered

- activation ind.: active

Coding:

Coding	0A	A0	0D	04	01	21	30	80	30	06	83	01
	Note 1	84	01	07								

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

TERMINAL RESPONSE: SEND SS 1.4.1A

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

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	22
	00	0A	A0	1E	04	01	21	30	19	30	17
	83	01	Note 1	84	01	07	89	0F	91	10	32
	54	76	98	10	32	54	76	98	10	32	54
	76										

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

TERMINAL RESPONSE: SEND SS 1.4.1B

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

BER-TLV:	81	03	01	11	00	82	02	82	81	03	11
•	00	0A	A0	0D	04	01	21	30	08	30	06
	83	01	Note 1	84	01	07					

Note 1: TeleserviceCode is '11' for "Telephony" or is '10' for "allSpeechTransmissionServices"

Expected Sequence 1.5 (SEND SS, interrogate CLIR status, successful, alpha identifier limits)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 1.5.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 1.5.1	
4		Display "Even if the Fixed Dialling Number service is enabled, the supplementary service control string included in the SEND SS proactive command shall not be checked against those of the FDN list. Upon receiving this command, the ME shall deci"	
5	$ME \to USS$	REGISTER 1.3	
6		RELEASE COMPLETE (SS RETURN RESULT) 1.3	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 1.5.1	

PROACTIVE COMMAND: SEND SS 1.5.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "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"

SS String

TON: Undefined NPI: Undefined SS string: "*#31#"

BER-TLV:	D0	81	FD	81	03	01	11	00	82	02	81	83
	85	81	EB	45	76	65	6E	20	69	66	20	74
	68	65	20	46	69	78	65	64	20	44	69	61
	6C	6C	69	6E	67	20	4E	75	6D	62	65	72
	20	73	65	72	76	69	63	65	20	69	73	20
	65	6E	61	62	6C	65	64	2C	20	74	68	65
	20	73	75	70	70	6C	65	6D	65	6E	74	61
	72	79	20	73	65	72	76	69	63	65	20	63
	6F	6E	74	72	6F	6C	20	73	74	72	69	6E
	67	20	69	6E	63	6C	75	64	65	64	20	69
	6E	20	74	68	65	20	53	45	4E	44	20	53
	53	20	70	72	6F	61	63	74	69	76	65	20
	63	6F	6D	6D	61	6E	64	20	73	68	61	6C

6C	20	6E	6F	74	20	62	65	20	63	68	65
63	6B	65	64	20	61	67	61	69	6E	73	74
20	74	68	6F	73	65	20	6F	66	20	74	68
65	20	46	44	4E	20	6C	69	73	74	2E	20
55	70	6F	6E	20	72	65	63	65	69	76	69
6E	67	20	74	68	69	73	20	63	6F	6D	6D
61	6E	64	2C	20	74	68	65	20	4D	45	20
73	68	61	6C	6C	20	64	65	63	69	89	04
FF	BA	13	FB								

REGISTER 1.3

Logically (only SS argument):

INTERROGATE SS ARGUMENT

SS-Code

- Calling Line Id Restriction

Coding:

BER-TLV	30	03	04	01	12

RELEASE COMPLETE (SS RETURN RESULT) 1.3

Logically (only from operation code):

INTERROGATE SS RESULT

CliRestrictionInfo

SS-Status

- state ind.: operative

provision ind.: provisionedregistration ind.: registeredactivation ind.: not active

CliRestrictionOption

- Temporary Def Allowed

Coding:

Coding	0E	A4	06	04	01	06	0A	01	02

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: UICC

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	0A
	00	0E	A4	06	04	01	06	0A	01	02	

Expected Sequence 1.6A (SEND SS, call forward unconditional, all bearers, successful, null data alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to$	PROACTIVE COMMAND PENDING: SEND SS 1.6.1	
	ME		
2	ME o	FETCH	
	UICC		
3	$UICC \to$	PROACTIVE COMMAND: SEND SS 1.6.1	
	ME		
4	ME	Should not give any information to the user on the fact that	
		the ME is sending an SS request	
5	$ME \rightarrow USS$	REGISTER 1.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 1.1A	[Successful]
7	ME o	TERMINAL RESPONSE: SEND SS 1.1.1A	
	UICC		

Expected Sequence 1.6B (SEND SS, call forward unconditional, all bearers, successful, null data alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to$	PROACTIVE COMMAND PENDING: SEND SS 1.6.1	
	ME		
2	ME o	FETCH	
	UICC		
3	$UICC \to$	PROACTIVE COMMAND: SEND SS 1.6.1	
	ME		
4	ME	Should not give any information to the user on the fact that	
		the ME is sending an SS request	
5		REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 1.1B	[Successful]
7	ME o	TERMINAL RESPONSE: SEND SS 1.1.1B	
	UICC		

PROACTIVE COMMAND: SEND SS 1.6.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: null data object

SS String

TON: International

NPI: "ISDN / telephone numbering plan"

SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	1D	81	03	01	11	00	82	02	81	83	85
	00	89	10	91	AA	12	0A	21	43	65	87	09
	21	43	65	87	A9	01	FB					

27.22.4.11.1.5 Test requirement

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

27.22.4.11.2 SEND SS (Icon support)

27.22.4.11.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.2.2 Conformance requirement

27.22.4.11.2.3 Test purpose

To verify that the ME displays the text contained in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

In addition to verify that if an icon is provided by the UICC, the icon indicated in the command may be used by the ME to inform the user, in addition to, or instead of the alpha identifier, as indicated with the icon qualifier.

27.22.4.11.2.4 Method of test

27.22.4.11.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

The elementary files are coded as Toolkit default.

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	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		SS 2.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 2.1.1	[BASIC-ICON, self-explanatory]
4	$ME \rightarrow USER$	Display the basic icon without the alpha	
		identifier	
5	$ME \to USS$	REGISTER 1.1A	Option A applies if A.1/63 is
		Or	supported,
		REGISTER 1.1B	Option B applies if A.1/63 is not
			supported
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN	[Successful]
		RESULT) 1.1A or	Option A applies if A.1/63 is
		RELEASE COMPLETE (SS RETURN	supported,
		RESULT) 1.1B	Option B applies if A.1/63 is not
_			supported
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 2.1.1AA	[Command performed successfully]
		or	Option AA applies if A.1/63 is
		TERMINAL RESPONSE: SEND SS 2.1.1AB	supported,
			Option AB applies if A.1/63 is not
			supported

PROACTIVE COMMAND: SEND SS 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Basic Icon"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Icon Identifier:

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

Coding:

BER-TLV:	D0	2B	81	03	01	11	00	82	02	81	83	85
	0A	42	61	73	69	63	20	49	63	6F	6E	89
	10	91	AA	12	0A	21	43	65	87	09	21	43
	65	87	A9	01	FB	9E	02	00	01			

TERMINAL RESPONSE: SEND SS 2.1.1AA

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

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	89	0B	91	10	32
	54	76	98	10	32	54	76	98			

TERMINAL RESPONSE: SEND SS 2.1.1AB

Logically:

Command details

Command number: 1

Command type: SEND SS

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Additional information: Operation Code and SS Parameters

BER-TLV:	81	03	01	11	00	82	02	82	81	03	11
	00	0A	A0	0D	04	01	21	30	08	30	06
	83	01	00	84	01	07					

Expected Sequence 2.1B (SEND SS, call forward unconditional, all bearers, successful, basic icon self explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 2.1.1	
2	/ 0.00	_	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[BASIC-ICON, self-explanatory]
		SS 2.1.1	
4	$ME \rightarrow USER$	Display "Basic Icon" without the	
		icon	
5	$ME \to USS$	REGISTER 1.1A	Option A applies if A.1/63 is supported,
		Or	Option B applies if A.1/63 is not supported
		REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1A or	Option A applies if A.1/63 is supported,
		RELEASE COMPLETE (SS	Option B applies if A.1/63 is not supported
		RETURN RESULT) 1.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully, but
		SS 2.1.1BA or	requested icon could not be displayed]
		TERMINAL RESPONSE: SEND	Option BA applies if A.1/63 is supported,
		SS 2.1.1BB	Option BB applies if A.1/63 is not supported

TERMINAL RESPONSE: SEND SS 2.1.1BA

Logically:

Command details

Command number:

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

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

Additional information: Operation Code and SS Parameters

Coding:

BER-TLV:

81	03	01	11	00	82	02	82	81	03	1E
04	0A	A0	1A	04	01	21	30	15	30	13
83	01	00	84	01	07	89	0B	91	10	32
54	76	98	10	32	54	76	98			

TERMINAL RESPONSE: SEND SS 2.1.1BB

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

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

Additional information: Operation Code and SS Parameters

Coding:

BER-TLV:

81	03	01	11	00	82	02	82	81	03	11
04	0A	A0	0D	04	01	21	30	08	30	06
83	01	00	84	01	07					

Expected Sequence 2.2A (SEND SS, call forward unconditional, all bearers, successful, colour icon self explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 2.2.1	
2	, 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[COLOUR-ICON, self-explanatory]
		SS 2.2.1	
4		Display the colour icon without	
		thealpha identifier	
5	$ME \to USS$	REGISTER 1.1A	Option A applies if A.1/63 is supported,
		Or	Option B applies if A.1/63 is not supported
		REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1A or	Option A applies if A.1/63 is supported,
		RELEASE COMPLETE (SS	Option B applies if A.1/63 is not supported
		RETURN RESULT) 1.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SS 2.1.1AA or	Option AA applies if A.1/63 is supported,
		TERMINAL RESPONSE: SEND	Option AB applies if A.1/63 is not supported
		SS 2.1.1AB	

PROACTIVE COMMAND: SEND SS 2.2.1

Logically:

Command details

Command number: 1

Command type: SEND SS
Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Colour Icon"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Icon Identifier:

 $\begin{array}{ll} \mbox{Icon qualifier:} & \mbox{icon is self-explanatory} \\ \mbox{Icon Identifier:} & \mbox{record 2 in } EF_{(IMG)} \end{array}$

BER-TLV:	D0	2C	81	03	01	11	00	82	02	81	83	85
	0B	43	6F	6C	6F	75	72	20	49	63	6F	6E
	89	10	91	AA	12	0A	21	43	65	87	09	21
	43	65	87	A9	01	FB	9E	02	00	02		

Expected Sequence 2.2B (SEND SS, call forward unconditional, all bearers, successful, colour icon self explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 2.2.1	
2	$ME \rightarrow UICC$	_	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[COLOUR-ICON, self-explanatory]
		SS 2.2.1	
4	$ME \rightarrow USER$	Display "Colour Icon" without the	
		icon	
5	$ME \to USS$	REGISTER 1.1A	Option A applies if A.1/63 is supported,
		Or	Option B applies if A.1/63 is not supported
		REGISTER 1.1B	
6	$USS \to ME$,	[Successful]
		RETURN RESULT) 1.1A or	Option A applies if A.1/63 is supported,
		RELEASE COMPLETE (SS	Option B applies if A.1/63 is not supported
		RETURN RESULT) 1.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed but requested icon
		SS 2.1.1BA or	could not be displayed]
		TERMINAL RESPONSE: SEND	Option BA applies if A.1/63 is supported,
		SS 2.1.1BB	Option BB applies if A.1/63 is not supported

Expected Sequence 2.3A (SEND SS, call forward unconditional, all bearers, successful, basic icon non self-explanatory, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 2.3.1	
2	WIE / 0100	FETCH	
3	$UICC \to ME$		[BASIC-ICON, non self-explanatory]
		SS 2.3.1	
4	$ME \rightarrow USER$	Display "Basic Icon" and the basic	
_		icon	
5	$ME \to USS$	REGISTER 1.1A	Option A applies if A.1/63 is supported,
		Or	Option B applies if A.1/63 is not supported
		REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1A or	Option A applies if A.1/63 is supported,
		RELEASE COMPLETE (SS	Option B applies if A.1/63 is not supported
		RETURN RESULT) 1.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SS 2.1.1AA or	Option AA applies if A.1/63 is supported,
		TERMINAL RESPONSE: SEND	Option AB applies if A.1/63 is not supported
		SS 2.1.1AB	

PROACTIVE COMMAND: SEND SS 2.3.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Text: "Basic Icon"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Icon Identifier

Icon qualifier: icon is non self-explanatory

Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	2B	81	03	01	11	00	82	02	81	83	85
	0A	42	61	73	69	63	20	49	63	6F	6E	89
	10	91	AA	12	0A	21	43	65	87	09	21	43
	65	87	A9	01	FB	9E	02	01	01			

Expected Sequence 2.3B (SEND SS, call forward unconditional, all bearers, successful, basic icon non self-explanatory)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 2.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[BASIC-ICON, non self-explanatory]
		SS 2.3.1	
4	$ME \rightarrow USER$	Display "Basic Icon" without the	
		icon	
5	$ME \rightarrow USS$	REGISTER 1.1A	Option A applies if A.1/63 is supported,
		Or	Option B applies if A.1/63 is not supported
		REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1A or	Option A applies if A.1/63 is supported,
		RELEASE COMPLETE (SS	Option B applies if A.1/63 is not supported
_		RETURN RESULT) 1.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed but requested icon
		SS 2.1.1BA or	could not be displayed]
		TERMINAL RESPONSE: SEND	Option BA applies if A.1/63 is supported,
		SS 2.1.1BB	Option BB applies if A.1/63 is not supported

Expected Sequence 2.4 (SEND SS, call forward unconditional, all bearers, successful, basic icon non self-explanatory, no alpha identifier presented)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to$	PROACTIVE COMMAND PENDING:	
	ME	SEND SS 2.4.1	
2	ME o	FETCH	
	UICC		
3	$UICC \to$	PROACTIVE COMMAND: SEND SS 2.4.1	[BASIC-ICON, non self-explanatory]
	ME		
4	ME o	TERMINAL RESPONSE: SEND SS 2.4.1	[Command data not understood by ME]
	UICC		

PROACTIVE COMMAND: SEND SS 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789#"

Icon Identifier

Icon qualifier: icon is non self-explanatory

Icon Identifier: record 1 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	1D	81	03	01	11	00	82	02	81	83	89
	0E	91	AA	12	0A	21	43	65	87	09	21	43
	65	87	B9	9E	02	01	01					

TERMINAL RESPONSE: SEND SS 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND SS
Command qualifier: "00"

Device identities

Source device: ME

Destination device:

UICC

Result

General Result: Command data not understood by ME

Coding:

BER-TLV:	81	03	01	11	00	82	02	82	81	83	01	32

27.22.4.11.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1A to 2.4.

27.22.4.11.3 SEND SS (UCS2 display in Cyrillic)

27.22.4.11.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.3.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5

Additionnally, the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in: ISO/IEC 10646 [17].

27.22.4.11.3.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.3.4 Method of test

27.22.4.11.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.11.3.4.2 Procedure

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 3.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 3.1.1	
4	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	$ME \to USS$	REGISTER 1.1A	Option A applies if A.1/63 is supported,
		Or	Option B applies if A.1/63 is not supported
		REGISTER 1.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 1.1A or	Option A applies if A.1/63 is supported,
		RELEASE COMPLETE (SS	Option B applies if A.1/63 is not supported
		RETURN RESULT) 1.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SS 1.1.1A or	Option A applies if A.1/63 is supported,
		TERMINAL RESPONSE: SEND	Option B applies if A.1/63 is not supported
		SS 1.1.1B	

PROACTIVE COMMAND: SEND SS 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)

Техт: "ЗДРАВСТВУЙТЕ"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

BER-TLV:	D0	36	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	10	91	AA	12	0A	21	43	65	87
	09	21	43	65	87	A9	01	FB				

27.22.4.11.3.5 Test requirement

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

27.22.4.11.4 SEND SS (support of Text Attribute)

27.22.4.11.4.1 SEND SS (support of Text Attribute – Left Alignment)

27.22.4.11.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.1.3 Test purpose

To verify that the ME displays the alpha identifier according to the left alignment text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.1.4 Method of test

27.22.4.11.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.1.4.2 Procedure

Expected Sequence 4.1A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.1.1	
4		Display "Text Attribute 1"	[Message shall be formatted with left alignment]
5	$ME \rightarrow USS$	REGISTER 4.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1A	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND	
9	ME . IIICC	PENDING: SEND SS 4.1.2	
_	ME → UICC		
10	UICC → ME	PROACTIVE COMMAND: SEND ISS 4.1.2	
11	ME → USER		[Message shall be formatted with left
''	IVIE → USER	Display Text Attribute 2	alignment. Remark: If left alignment is the
			ME"s default alignment as declared in table
			A.2/12, no alignment change will take place]
12	$ME \rightarrow USS$	REGISTER 4.1A	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1A	,
14	$ME \to UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1A	

Expected Sequence 4.1B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.1.1	
4		Display "Text Attribute 1"	[Message shall be formatted with left alignment]
5	$ME \to USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.1.2	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.1.2	
11		Display "Text Attribute 2"	[Message shall be formatted with left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/12, no alignment change will take place]
12	$ME \to USS$	REGISTER 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	

PROACTIVE COMMAND: SEND SS 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	00	B4							

PROACTIVE COMMAND: SEND SS 4.1.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

REGISTER 4.1A

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1A

REGISTER 4.1B

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1B

RELEASE COMPLETE (SS RETURN RESULT) 4.1A

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1A

RELEASE COMPLETE (SS RETURN RESULT) 4.1B

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1B

TERMINAL RESPONSE: SEND SS 4.1.1A

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1A

TERMINAL RESPONSE: SEND SS 4.1.1B

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1B

27.22.4.11.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.11.4.2 SEND SS (support of Text Attribute – Center Alignment)

27.22.4.11.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.2.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.2.3 Test purpose

To verify that the ME displays the alpha identifier according to the center alignment text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.2.4 Method of test

27.22.4.11.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.2.4.2 Procedure

Expected Sequence 4.2A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.2.1	
4		Display "Text Attribute 1"	[Message shall be formatted with center alignment]
5	$ME \to USS$	REGISTER 4.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1A	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.2.2	
9	$ME \rightarrow UICC$		
10		PROACTIVE COMMAND: SEND	
10		ISS 4.2.2	
11	$ME \to USER$		[Message shall be formatted with center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/12, no alignment change will take place]
12	$ME \to USS$	REGISTER 4.1A	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
14	$ME \to UICC$	TERMINAL RESPÓNSE: SEND SS 4.1.1A	

Expected Sequence 4.2B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.2.1	
4	$ME \to USER$	Display "Text Attribute 1"	[Message shall be formatted with center alignment]
5	$ME \to USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.2.2	
9	$ME \to UICC$		
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.2.2	
11	$ME \to USER$	Display "Text Attribute 2"	[Message shall be formatted with center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/12, no alignment change will take place]
12	$ME \to USS$	REGISTER 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	

PROACTIVE COMMAND: SEND SS 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough

Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	01	B4							

PROACTIVE COMMAND: SEND SS 4.2.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

27.22.4.11.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.11.4.3 SEND SS (support of Text Attribute – Right Alignment)

27.22.4.11.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.3.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.3.3 Test purpose

To verify that the ME displays the alpha identifier according to the right alignment text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.3.4 Method of test

27.22.4.11.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.3.4.2 Procedure

Expected Sequence 4.3A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.3.1	
4		Display "Text Attribute 1"	[Message shall be formatted with right alignment]
5	$ME \to USS$	REGISTER 4.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1A	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
	11100 ME	SS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.3.2	
9	$ME \rightarrow UICC$		
10		PROACTIVE COMMAND: SEND	
10		ISS 4.3.2	
11	$ME \to USER$	[] [] [] [] [] [] [] [] [] []	[Message shall be formatted with right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/12, no alignment change will take place]
12	$ME \to USS$	REGISTER 4.1A	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
14	$ME \to UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	

Expected Sequence 4.3B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
2	ME . IIICC	PENDING: SEND SS 4.3.1	
2	L / 0.00	. = . *	
3	UICC → ME	PROACTIVE COMMAND: SEND SS 4.3.1	
4		Display "Text Attribute 1"	[Message shall be formatted with right alignment]
5	$ME \to USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.3.2	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.3.2	
11		Display "Text Attribute 2"	[Message shall be formatted with right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/12, no alignment change will take place]
12	$ME \to USS$	REGISTER 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	

PROACTIVE COMMAND: SEND SS 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough

Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	02	B4							

PROACTIVE COMMAND: SEND SS 4.3.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" "**21*01234567890123456789*10#"

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

27.22.4.11.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.11.4.4 SEND SS (support of Text Attribute – Large Font Size)

27.22.4.11.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.4.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.4.3 Test purpose

To verify that the ME displays the alpha identifier according to the large font size text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.4.4 Method of test

27.22.4.11.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.4.4.2 Procedure

Expected Sequence 4.4A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.4.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with large font size]
5	$ME \rightarrow USS$	REGISTER 4.1A	_
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.4.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.4.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with normal font size]
12	$ME \to USS$	REGISTER 4.1A	•
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
14	ME → UICC	RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND	
15	$UICC \to ME$	SS 4.1.1A PROACTIVE COMMAND	
16	ME → UICC	PENDING: SEND SS 4.4.1 FETCH	
17	UICC → ME	PROACTIVE COMMAND: SEND	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with large font size]
19	$ME \rightarrow USS$	REGISTER 4.1A	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
21	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND SS 4.1.1A	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.4.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.4.3	
25	$ME \to USER$	Display "Text Attribute 3"	[Message shall be formatted with normal font size]
26	$ME \to USS$	REGISTER 4.1A	·
27	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	

Expected Sequence 4.4B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.4.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND ISS 4.4.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with large font size]
5	$ME \to USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
_		RETURN RESULT) 4.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
8	$UICC \to ME$	SS 4.1.1B PROACTIVE COMMAND	
		PENDING: SEND SS 4.4.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.4.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with normal font
40		DECICIED 44D	size]
12	ME → USS	REGISTER 4.1B	[Cupacatul]
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
14	ME → UICC	TERMINAL RESPONSE: SEND	
	WE 7 0100	SS 4.1.1B	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.4.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
18	$ME \to USER$	SS 4.4.1 Display "Text Attribute 1"	Message shall be formatted with large font
10	IVIE → USER	Display Text Attribute 1	size
19	$ME \rightarrow USS$	REGISTER 4.1B	0120]
20	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
00		SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND	
23	ME → UICC	PENDING: SEND SS 4.4.3 FETCH	
24	$VICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
	JIGO / IVIL	SS 4.4.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with normal font
			size]
26	$ME \rightarrow USS$	REGISTER 4.1B	
27	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
20	ME LUCC	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND	
28	$ME \rightarrow UICC$	SS 4.1.1B	
L	l .	00 1.1.10	

PROACTIVE COMMAND: SEND SS 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	04	B4							

PROACTIVE COMMAND: SEND SS 4.4.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	00	B4							

PROACTIVE COMMAND: SEND SS 4.4.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

27.22.4.11.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.11.4.5 SEND SS (support of Text Attribute – Small Font Size)

27.22.4.11.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.5.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.5.3 Test purpose

To verify that the ME displays the alpha identifier according to the small font size text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.5.4 Method of test

27.22.4.11.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.5.4.2 Procedure

Expected Sequence 4.5A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.5.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.5.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with small font size]
5	$ME \to USS$	REGISTER 4.1A	-
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.5.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.5.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with normal font size]
12	$ME \to USS$	REGISTER 4.1A	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
14	ME → UICC	RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND	
15	$UICC \to ME$	SS 4.1.1A PROACTIVE COMMAND	
16	ME → UICC	PENDING: SEND SS 4.5.1	
17	$ UICC \to UICC $	PROACTIVE COMMAND: SEND	
''	OICC → IVIL	SS 4.5.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with small font size]
19	$ME \rightarrow USS$	REGISTER 4.1A	_
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.5.3	
23	ME → UICC	FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND	
		SS 4.5.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with normal font size]
26	$ME \rightarrow USS$	REGISTER 4.1A	
27	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	

Expected Sequence 4.5B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Small Font Size)

1	$UICC \to ME$	DDO A OTIVE COMMAND	
		PROACTIVE COMMAND	
		PENDING: SEND SS 4.5.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.5.1	
4	$ME \to USER$	Display "Text Attribute 1"	[Message shall be formatted with small font size]
5	$ME \to USS$	REGISTER 4.1B	_
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
7	$ME \to UICC$	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND SS 4.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.5.2	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.5.2	
11	$ME \to USER$	Display "Text Attribute 2"	[Message shall be formatted with normal font size]
12	$ME \to USS$	REGISTER 4.1B	_
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
14	$ME \to UICC$	TERMINAL RESPONSE: SEND	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.5.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.5.1	
18	$ME \to USER$	Display "Text Attribute 1"	[Message shall be formatted with small font size]
19	$ME \to USS$	REGISTER 4.1B	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
21	$ME \to UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.5.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.5.3	
25	$ME \to USER$	Display "Text Attribute 3"	[Message shall be formatted with normal font size]
26	$ME \to USS$	REGISTER 4.1B	
27	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
28	$ME \to UICC$	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND SS 4.1.1B	

PROACTIVE COMMAND: SEND SS 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	08	B4							

PROACTIVE COMMAND: SEND SS 4.5.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	00	B4							

PROACTIVE COMMAND: SEND SS 4.5.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

27.22.4.11.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.11.4.6 SEND SS (support of Text Attribute – Bold On)

27.22.4.11.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.6.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.6.3 Test purpose

To verify that the ME displays the alpha identifier according to the bold text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.6.4 Method of test

27.22.4.11.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.6.4.2 Procedure

Expected Sequence 4.6A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.6.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.6.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with bold on]
5	$ME \rightarrow USS$	REGISTER 4.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
_		RETURN RESULT) 4.1A	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
8	LUCC ME	SS 4.1.1A PROACTIVE COMMAND	
0	$UICC \to ME$	PENDING: SEND SS 4.6.2	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
10	OICC - WIL	SS 4.6.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with bold off]
12	ME → USS	REGISTER 4.1A	1
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1À	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1A	
15	$UICC \to ME$	PROACTIVE COMMAND	
4.0		PENDING: SEND SS 4.6.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
18	ME LICED	SS 4.6.1	[Massage shall be formatted with held an]
19	ME → USER	Display "Text Attribute 1" REGISTER 4.1A	[Message shall be formatted with bold on]
20	$\begin{array}{c} ME \to USS \\ USS \to ME \end{array}$	RELEASE COMPLETE (SS	[Successful]
20		RETURN RESULT) 4.1A	[Successiui]
21	ME → UICC	TERMINAL RESPONSE: SEND	
	IVIL 70100	SS 4.1.1A	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.6.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.6.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with bold off]
26	$ME \rightarrow USS$	REGISTER 4.1A	
27	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1A	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1A	

Expected Sequence 4.6B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.6.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.6.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with bold on]
5	$ME \rightarrow USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
0	ME	PENDING: SEND SS 4.6.2	
9	ME → UICC	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.6.2	
11	ME → USER	Display "Text Attribute 2"	[Message shall be formatted with bold off]
12	$ME \rightarrow USS$	REGISTER 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
	7	RETURN RESULT) 4.1B	
14	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND	
		SS 4.1.1B	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.6.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
		SS 4.6.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with bold on]
19	$ME \rightarrow USS$	REGISTER 4.1B	
20	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
04		RETURN RESULT) 4.1B	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
22	LUCC ME	SS 4.1.1B PROACTIVE COMMAND	
22	$UICC \to ME$	PENDING: SEND SS 4.6.3	
23	ME → UICC	FETCH	
24	$VICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
_ '	UIOO → IVIL	SS 4.6.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with bold off]
26	ME → USS	REGISTER 4.1B	
27	USS → ME	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	j
28	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND	
		SS 4.1.1B	

PROACTIVE COMMAND: SEND SS 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	10	B4							

PROACTIVE COMMAND: SEND SS 4.6.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	00	B4							

PROACTIVE COMMAND: SEND SS 4.6.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

27.22.4.11.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.11.4.7 SEND SS (support of Text Attribute – Italic On)

27.22.4.11.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.7.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.7.3 Test purpose

To verify that the ME displays the alpha identifier according to the italic text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.7.4 Method of test

27.22.4.11.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.7.4.2 Procedure

Expected Sequence 4.7A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.7.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
		SS 4.7.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with italic on]
5	$ME \rightarrow USS$	REGISTER 4.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
7	11100	RETURN RESULT) 4.1A	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND ISS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND	
0	OICC - IVIE	PENDING: SEND SS 4.7.2	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
	OIGG / WIL	SS 4.7.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with italic off]
12	$ME \to USS$	REGISTER 4.1A	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1A	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1A	
15	$UICC \to ME$	PROACTIVE COMMAND	
4.0	11100	PENDING: SEND SS 4.7.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.7.1	
18	ME → USER	Display "Text Attribute 1"	[Message shall be formatted with italic on]
19	ME → USS	REGISTER 4.1A	[INCSSage shall be formatted with Italie on]
20	USS → ME	RELEASE COMPLETE (SS	[Successful]
	000 7 WE	RETURN RESULT) 4.1A	[Cuccocolul]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1A	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.7.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	
6-		SS 4.7.3	
25	ME → USER	Display "Text Attribute 3"	[Message shall be formatted with italic off]
26	ME → USS	REGISTER 4.1A	ro (II
27	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
28	ME LUCC	RETURN RESULT) 4.1A	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	
	1	100 T. I. IA	

Expected Sequence 4.7B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.7.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.7.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with italic on]
5	$ME \rightarrow USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.7.2	
9	ME → UICC	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.7.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with italic off]
12	ME → USS	REGISTER 4.1B	
13	USS → ME	RELEASE COMPLETE (SS	[Successful]
	7	RETURN RESULT) 4.1B	[0.000000.10.]
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1B	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.7.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.7.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with italic on]
19	$ME \to USS$	REGISTER 4.1B	
20	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
00		SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND	
23	ME THOO	PENDING: SEND SS 4.7.3 FETCH	
23	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	PROACTIVE COMMAND: SEND	
Z4	UICC → IVIE	ISS 4.7.3	
25	ME → USER	Display "Text Attribute 3"	[Message shall be formatted with italic off]
26	ME → USS	REGISTER 4.1B	[mocoago onan bo formation with italio on]
27	USS → ME	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	[Custosonal]
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
	,2	SS 4.1.1B	

PROACTIVE COMMAND: SEND SS 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	20	B4							

PROACTIVE COMMAND: SEND SS 4.7.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	00	B4							

PROACTIVE COMMAND: SEND SS 4.7.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

27.22.4.11.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.11.4.8 SEND SS (support of Text Attribute – Underline On)

27.22.4.11.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.8.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.8.3 Test purpose

To verify that the ME displays the alpha identifier according to the underline text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.8.4 Method of test

27.22.4.11.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.8.4.2 Procedure

Expected Sequence 4.8A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.8.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.8.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with underline
_		DECICTED 4.44	on]
5	ME → USS	REGISTER 4.1A	ro (n
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
7	ME → UICC	RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND	
,	INIE → OICC	ISS 4.1.1A	
8	UICC → ME	PROACTIVE COMMAND	
	OIGG / WIL	PENDING: SEND SS 4.8.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.8.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with underline
			off]
12	$ME \rightarrow USS$	REGISTER 4.1A	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
14	ME LUCC	RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND	
14	$ME \rightarrow UICC$	ISS 4.1.1A	
15	$UICC \to ME$	PROACTIVE COMMAND	
	OIGG / WIE	PENDING: SEND SS 4.8.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.8.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with underline
40		DECICTED 4.44	on]
19	ME → USS	REGISTER 4.1A	[0
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
21	ME → UICC	TERMINAL RESPONSE: SEND	
21	IVIL -> OICC	ISS 4.1.1A	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.8.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	
_		SS 4.8.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with underline
26	ME LICO	DECISTED 4.1A	off]
26 27	ME → USS	REGISTER 4.1A RELEASE COMPLETE (SS	[Successful]
21	$USS \to ME$	RETURN RESULT) 4.1A	
28	ME → UICC	TERMINAL RESPONSE: SEND	
	,	SS 4.1.1A	

Expected Sequence 4.8B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
_		PENDING: SEND SS 4.8.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.8.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with underline on]
5	$ME \to USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
_		RETURN RESULT) 4.1B	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
8	LUCC ME	SS 4.1.1B PROACTIVE COMMAND	
0	$UICC \to ME$	PENDING: SEND SS 4.8.2	
9	$ME \rightarrow UICC$	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
		SS 4.8.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with underline
4.0		DE0107ED 4 4D	off]
12	ME → USS	REGISTER 4.1B	[O
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
14	ME → UICC	TERMINAL RESPONSE: SEND	
1 ''	IVIL -> 0100	SS 4.1.1B	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.8.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
18	ME LICED	SS 4.8.1 Display "Text Attribute 1"	[Message shall be formatted with underline
10	$ME \rightarrow USER$	Display Text Attribute 1	on]
19	$ME \rightarrow USS$	REGISTER 4.1B	011
20	USS → ME	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
00		SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND	
23	ME → UICC	PENDING: SEND SS 4.8.3 FETCH	
24	$VICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
	JIGO / IVIL	SS 4.8.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with underline
			off]
26	$ME \to USS$	REGISTER 4.1B	
27	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
20	ME LUCC	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND	
28	$ME \rightarrow UICC$	SS 4.1.1B	
L	l .	טו.ו.ד טטן	

PROACTIVE COMMAND: SEND SS 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	40	B4							

PROACTIVE COMMAND: SEND SS 4.8.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	00	B4							

PROACTIVE COMMAND: SEND SS 4.8.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

27.22.4.11.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.11.4.9 SEND SS (support of Text Attribute – Strikethrough On)

27.22.4.11.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.9.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.9.3 Test purpose

To verify that the ME displays the alpha identifier according to the strikethrough text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.9.4 Method of test

27.22.4.11.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.9.4.2 Procedure

Expected Sequence 4.9A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.9.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND ISS 4.9.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with strikethrough on]
5	$ME \to USS$	REGISTER 4.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.9.2	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.9.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with strikethrough off]
12	$ME \to USS$	REGISTER 4.1A	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.9.1	
16	$ME \to UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.9.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with strikethrough on]
19	$ME \rightarrow USS$	REGISTER 4.1A	
20	USS → ME	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1A	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.9.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.9.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with strikethrough off]
26	$ME \to USS$	REGISTER 4.1A	
27	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
28	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND SS 4.1.1A	

Expected Sequence 4.9B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments					
1	$UICC \to ME$	PROACTIVE COMMAND						
_		PENDING: SEND SS 4.9.1						
2	ME → UICC	FETCH						
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.9.1						
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with strikethrough on]					
5	$ME \rightarrow USS$	REGISTER 4.1B						
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]					
_		RETURN RESULT) 4.1B						
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND						
8	$UICC \to ME$	SS 4.1.1B PROACTIVE COMMAND						
0		PENDING: SEND SS 4.9.2						
9	ME → UICC	FETCH						
10	$UICC \to ME$	PROACTIVE COMMAND: SEND						
		SS 4.9.2						
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with					
4.0		DE010755 4 45	strikethrough off]					
12	ME → USS	REGISTER 4.1B	[Cusassefull					
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]					
14	ME → UICC	TERMINAL RESPONSE: SEND						
	WIL 70100	SS 4.1.1B						
15	$UICC \to ME$	PROACTIVE COMMAND						
		PENDING: SEND SS 4.9.1						
16	$ME \rightarrow UICC$	FETCH						
17	$UICC \to ME$	PROACTIVE COMMAND: SEND						
18	$ME \to USER$	SS 4.9.1 Display "Text Attribute 1"	[Message shall be formatted with					
10	IVIE → USER	Display Text Attribute 1	strikethrough on]					
19	$ME \rightarrow USS$	REGISTER 4.1B	ounted modgin on p					
20	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]					
		RETURN RESULT) 4.1B						
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND						
20		SS 4.1.1B						
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.9.3						
23	ME → UICC	FETCH						
24	$VICC \rightarrow ME$	PROACTIVE COMMAND: SEND						
	J.CC / WIL	SS 4.9.3						
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with					
			strikethrough off]					
26	$ME \rightarrow USS$	REGISTER 4.1B						
27	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]					
28	ME THOO	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND						
20	$ME \rightarrow UICC$	SS 4.1.1B						
L	l	100 1.1.10						

PROACTIVE COMMAND: SEND SS 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	80	B4							

PROACTIVE COMMAND: SEND SS 4.9.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	00	B4							

PROACTIVE COMMAND: SEND SS 4.9.3

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

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27.22.4.11.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.11.4.10 SEND SS (support of Text Attribute – Foreground and Background Colour)

27.22.4.11.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.4.10.2 Conformance requirement

The ME shall support the Proactive UICC: Send SS facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5.

27.22.4.11.4.10.3 Test purpose

To verify that the ME displays the alpha identifier according to the foreground and background colour text attribute configuration in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.4.10.4 Method of test

27.22.4.11.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC 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 USS.

27.22.4.11.4.10.4.2 Procedure

Expected Sequence 4.10A (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.10.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.10.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with foreground
			and background colour according to text
_	1100	REGISTER 4.1A	attribute configuration]
5	IVIL / 000		
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
_		RETURN RESULT) 4.1A	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
0	11100 ME		
8	OICC → ME	PROACTIVE COMMAND PENDING: SEND SS 4.10.2	
9	ME → UICC		
10		PROACTIVE COMMAND: SEND	
10	OICC → IVIE	ISS 4.10.2	
11	ME LISED	Display "Text Attribute 2"	[Message shall be formatted with ME"s
!!	IVIL -> USLIX	Display Text Attribute 2	default foreground and background colour
12	$ME \rightarrow USS$	REGISTER 4.1A	delacit foregreating and buokground colour
13	USS → ME	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1A	[5465555.4.]
14	ME → LIICC	TERMINAL RESPONSE: SEND	
''	WE / 0100	SS 4.1.1A	

Expected Sequence 4.10B (SEND SS, call forward unconditional, all bearers, successful, alpha identifier with Text attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.10.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.10.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with foreground
			and background colour according to text attribute configuration]
5	ME - LISS	REGISTER 4.1B	attribute corniguration]
6	USS → ME	RELEASE COMPLETE (SS	[Successful]
"	USS → IVIE	RETURN RESULT) 4.1B	
7	ME → UICC	TERMINAL RESPONSE: SEND	
-	WE 7 0100	SS 4.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.10.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.10.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with ME"s
			default foreground and background colour]
12	/ 000	REGISTER 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1B	

PROACTIVE COMMAND: SEND SS 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	33	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	D0
	04	00	10	00	B4							

PROACTIVE COMMAND: SEND SS 4.10.2

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

BER-TLV:	D0	2D	81	03	01	11	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	89	10	91	AA	12	0A	21
	43	65	87	09	21	43	65	87	A9	01	FB	

27.22.4.11.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.11.5 SEND SS (UCS2 display in Chinese)

27.22.4.11.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.5.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5

Additionnally, the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in: ISO/IEC 10646 [17].

27.22.4.11.5.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.5.4 Method of test

27.22.4.11.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.11.5.4.2 Procedure

Expected Sequence 5.1A (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Chinese)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 5.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 5.1.1	
4	$ME \to USER$	Display "你好"	["Hello" in Chinese]
5	$ME \to USS$	REGISTER 5.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 5.1A	
7	$ME \to UICC$	TERMINAL RESPÓNSE: SEND	[Command performed successfully]
		SS 5.1.1A	

Expected Sequence 5.1B (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Chinese)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 5.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	UICC o ME	PROACTIVE COMMAND: SEND	
		SS 5.1.1	
4	$ME \to USER$	Display "你好"	["Hello" in Chinese]
5	$ME \to USS$	REGISTER 5.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 5.1B	
7	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SS 5.1.1B	

PROACTIVE COMMAND: SEND SS 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)

Text: "你好"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	22	81	03	01	11	00	82	02	81	83	85
	05	80	4F	60	59	7D	89	10	91	AA	12	0A
	21	43	65	87	09	21	43	65	87	A9	01	FB

REGISTER 5.1A

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1A

REGISTER 5.1B

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1B

RELEASE COMPLETE (SS RETURN RESULT) 5.1A

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1A

RELEASE COMPLETE (SS RETURN RESULT) 5.1B

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1B

TERMINAL RESPONSE: SEND SS 5.1.1A

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1A

TERMINAL RESPONSE: SEND SS 5.1.1B

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1B

27.22.4.11.5.5 Test requirement

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

27.22.4.11.6 SEND SS (UCS2 display in Katakana)

27.22.4.11.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.11.6.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.11, clause 6.6.10, clause 8.12.1, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.14, clause 8.31 and clause 6.5

Additionnally, the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in: ISO/IEC 10646 [17].

27.22.4.11.6.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND SS proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.11.6.4 Method of test

27.22.4.11.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.11.6.4.2 Procedure

Expected Sequence 6.1A (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Katakana)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 6.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 6.1.1	
4	$ME \to USER$	Display "ル"	[Character in Katakana]
5	$ME \to USS$	REGISTER 6.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 6.1A	-
7	$ME \to UICC$		[Command performed successfully]
		SS 6.1.1A	

Expected Sequence 6.1B (SEND SS, call forward unconditional, all bearers, successful, UCS2 text in Katakana)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 6.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 6.1.1	
4	$ME \to USER$	Display "ル"	[Character in Katakana]
5	$ME \to USS$	REGISTER 6.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 6.1B	
7	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SS 6.1.1B	

PROACTIVE COMMAND: SEND SS 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)

Text: "ル"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

BER-TLV:	D0	20	81	03	01	11	00	82	02	81	83	85
	03	80	30	EB	89	10	91	AA	12	0A	21	43
	65	87	09	21	43	65	87	A9	01	FB		

REGISTER 6.1A

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1A

REGISTER 6.1B

Same as cl 27.22.4.11.1.4.2 REGISTER 1.1B

RELEASE COMPLETE (SS RETURN RESULT) 6.1A

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1A

RELEASE COMPLETE (SS RETURN RESULT) 6.1B

Same as cl 27.22.4.11.1.4.2 RELEASE COMPLETE (SS RETURN RESULT) 1.1B

TERMINAL RESPONSE: SEND SS 6.1.1A

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1A

TERMINAL RESPONSE: SEND SS 6.1.1B

Same as cl 27.22.4.11.1.4.2 TERMINAL RESPONSE: SEND SS 1.1.1B

27.22.4.11.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.12 SEND USSD

27.22.4.12.1 SEND USSD (normal)

27.22.4.12.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.
- ETSI TS 23.038 [7] clause 5

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in: ISO/IEC 10646 [17].

27.22.4.12.1.3 Test purpose

To verify that the ME correctly translates and sends the unstructured supplementary service request indicated in the SEND USSD proactive UICC command to the USS.

To verify that the ME returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the USSD request and including a USSD result as a text string in the TERMINAL RESPONSE.

27.22.4.12.1.4 Method of test

27.22.4.12.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.12.1.4.2 Procedure

Expected Sequence 1.1 (SEND USSD, 7-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 1.1.1	
4	$ME \rightarrow USER$	Display "7-bit USSD"	
5	$ME \to USS$	REGISTER 1.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 1.1	
7	$ME \to UICC$	TERMINAL RESPÓNSE: SEND	
		USSD 1.1.1	

PROACTIVE COMMAND: SEND USSD 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "7-bit USSD"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	50	81	03	01	12	00	82	02	81	83	85
	0A	37	2D	62	69	74	20	55	53	53	44	8A
	39	F0	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	СВ	E6	33	3A	AD	5E	В3
	DB	EE	37	3C	2E	9F	D3	EB	F6	3B	3E	AF
	6F	C5	64	33	5A	CD	76	C3	E5	60		

REGISTER 1.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

BER-TLV	30	3D	04	01	F0	04	38	41	E1	90	58	34
1	1E	91	49	E5	92	D9	74	3E	A1	51	E9	94
	5A	B5	5E	B1	59	6D	2B	2C	1E	93	СВ	E6
	33	3A	AD	5E	В3	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) 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	80	9A
	D3	E5	69	F7	19	24	2F	8F	СВ	69	7B	99
	0C	32	СВ	DF	6D	D0	74	0A				

TERMINAL RESPONSE: SEND USSD 1.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	80	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

Expected Sequence 1.2 (SEND USSD, 8-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 1.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 1.2.1	
4	$ME \rightarrow USER$	Display "8-bit USSD"	
5	$ME \to USS$	REGISTER 1.2	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 1.2	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 1.2.1	

PROACTIVE COMMAND: SEND USSD 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "8-bit USSD"

USSD String

Data coding scheme: Uncompressed, no message class meaning, 8-bit data

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	58	81	03	01	12	00	82	02	81	83	85
	0A	38	2D	62	69	74	20	55	53	53	44	8A
	41	44	41	42	43	44	45	46	47	48	49	4A
	4B	4C	4D	4E	4F	50	51	52	53	54	55	56
	57	58	59	5A	2D	61	62	63	64	65	66	67
	68	69	6A	6B	6C	6D	6E	6F	70	71	72	73
	74	75	76	77	78	79	7A	2D	31	32	33	34
	35	36	37	38	39	30						

REGISTER 1.2

Logically (only USSD argument):

 $Process Unstructured SS-Request\ ARGUMENT$

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, 8-bit data USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

BER-TLV	30	45	04	01	44	04	40	41	42	43	44	45
	46	47	48	49	4A	4B	4C	4D	4E	4F	50	51
	52	53	54	55	56	57	58	59	5A	2D	61	62
	63	64	65	66	67	68	69	6A	6B	6C	6D	6E
	6F	70	71	72	73	74	75	76	77	78	79	7A
	2D	31	32	33	34	35	36	37	38	39	30	

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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: UICC

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"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1D	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	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 1.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 1.3.1	
4	$ME \rightarrow USER$	Display "UCS2 USSD"	
5	$ME \to USS$	REGISTER 1.3	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT)	["USSD string received from SS"]
		1.3	-
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 1.3.1	

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PROACTIVE COMMAND: SEND USSD 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "UCS2 USSD"

USSD String

Data coding scheme: Uncompressed, no message class meaning, UCS2 (16 bit)

USSD string: "ЗДРАВСТВУЙТЕ" ("Hello" in Russian)

Coding:

BER-TLV:	D0	2F	81	03	01	12	00	82	02	81	83	85
	09	55	43	53	32	20	55	53	53	44	8A	19
	48	04	17	04	14	04	20	04	10	04	12	04
	21	04	22	04	12	04	23	04	19	04	22	04
	15											

REGISTER 1.3

Logically (only USSD argument):

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, UCS2 (16 bit)

USSD string:

- "ЗДРАВСТВУЙТЕ" ("Hello" in Russian)

BER-TLV	30	1D	04	01	48	04	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					

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: UICC

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"

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

Coding	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: UICC

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	47									

Expected Sequence 1.5 (SEND USSD, 7-bit data, unsuccessful (Reject))

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 1.1.1	
4	$ME \rightarrow USER$	Display "7-bit USSD"	
5	$ME \to USS$	REGISTER 1.1	
6	$USS \to ME$	RELEASE COMPLETE (SS REJECT) 1.1	Reject
7	$MF \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 1.5.1	

RELEASE COMPLETE (SS REJECT) 1.1

Logically (only from Problem code):

ProcessUnstructuredSS-Request REJECT

Invoke Problem code:

- Mistyped parameter

Coding:

Coding	81	01	02

TERMINAL RESPONSE: SEND USSD 1.5.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: USSD Return Error

Additional information: "No specific cause can be given"

Coding:

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

Expected Sequence 1.6 (SEND USSD, 256 octets, 7-bit data, successful, long alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 1.6.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 1.6.1	
4	$ME \rightarrow USER$	Display "once a RELEASE COMPLETE	
		message containing the USSD Return Result	
		message not containing an error has been	
		received from the network, the ME shall	
		inform the UICC that the command has"	
5	$ME \to USS$	REGISTER 1.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN	["USSD string received from SS"]
		RESULT) 1.1	
7	$ME \to UICC$	TERMINAL RESPONSE: SEND USSD 1.1.1	

PROACTIVE COMMAND: SEND USSD 1.6.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "once a RELEASE COMPLETE message containing the USSD Return Result

message not containing an error has been received from the network, the ME shall

inform the UICC that the command has"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

DED TILL	L D0	04	LED	04	00	04	10	T 00	00	1 00	04	00
BER-TLV:	D0	81	FD	81	03	01	12	00	82	02	81	83
	85	81	B6	6F	6E	63	65	20	61	20	52	45
	4C	45	41	53	45	20	43	4F	4D	50	4C	45
	54	45	20	6D	65	73	73	61	67	65	20	63
	6F	6E	74	61	69	6E	69	6E	67	20	74	68
	65	20	55	53	53	44	20	52	65	74	75	72
	6E	20	52	65	73	75	6C	74	20	6D	65	73
	73	61	67	65	20	6E	6F	74	20	63	6F	6E
	74	61	69	6E	69	6E	67	20	61	6E	20	65
	72	72	6F	72	20	68	61	73	20	62	65	65
	6E	20	72	65	63	65	69	76	65	64	20	66
	72	6F	6D	20	74	68	65	20	6E	65	74	77
	6F	72	6B	2C	20	74	68	65	20	4D	45	20
	73	68	61	6C	6C	20	69	6E	66	6F	72	6D
	20	74	68	65	20	53	49	4D	20	74	68	61
	74	20	74	68	65	20	63	6F	6D	6D	61	6E
	64	20	68	61	73	8A	39	F0	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	СВ
	E6	33	ЗА	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								
		l	l		1	1			l			

Expected Sequence 1.7 (SEND USSD, 7-bit data, successful, no alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 1.7.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 1.7.1	
4	$ME \to USER$	Optionally display an informative message	
5	$ME \to USS$	REGISTER 1.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT)	["USSD string received from SS"]
		1.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 1.1.1	

PROACTIVE COMMAND: SEND USSD 1.7.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	44	81	03	01	12	00	82	02	81	83	8A
	39	F0	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	СВ	E6	33	3A	AD	5E	В3
	DB	EE	37	3C	2E	9F	D3	EB	F6	3B	3E	AF
	6F	C5	64	33	5A	CD	76	C3	E5	60		

Expected Sequence 1.8 (SEND USSD, 7-bit data, successful, null length alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 1.8.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 1.8.1	
4	$ME \rightarrow USER$	the ME should not give any information to the	
		user on the fact that the ME is sending a USSD	
		request	
5	$ME \to USS$	REGISTER 1.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT)	["USSD string received from SS"]
		1.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 1.1.1	

PROACTIVE COMMAND: SEND USSD 1.8.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC Destination device: Network

Alpha identifier: USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	46	81	03	01	12	00	82	02	81	83	85
	00	8A	39	F0	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	СВ	E6	33	3A	AD
	5E	В3	DB	EE	37	3C	2E	9F	D3	EB	F6	3B
	3E	AF	6F	C5	64	33	5A	CD	76	C3	E5	60

27.22.4.12.1.5 Test requirement

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

27.22.4.12.2 SEND USSD (Icon support)

27.22.4.12.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.2.2 Conformance requirement

27.22.4.12.2.3 Test purpose

To verify that the ME displays the text contained in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

In addition to verify that if an icon is provided by the UICC, the icon indicated in the command may be used by the ME to inform the user, in addition to, or instead of the alpha identifier, as indicated with the icon qualifier.

27.22.4.12.2.4 Method of test

27.22.4.12.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS

The elementary files are coded as Toolkit default.

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	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 2.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 2.1.1	[BASIC-ICON, self-explanatory]
4	$ME \rightarrow USER$	Display BASIC ICON	
5	$ME \to USS$	REGISTER 2.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN	["USSD string received from SS"]
		RESULT) 2.1	-
7	$ME \rightarrow UICC$	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: UICC
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	54	81	03	01	12	00	82	02	81	83	85
	0A	42	61	73	69	63	20	49	63	6F	6E	8A
	39	F0	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	СВ	E6	33	3A	AD	5E	В3
	DB	EE	37	3C	2E	9F	D3	EB	F6	3B	3E	AF
	6F	C5	64	33	5A	CD	76	C3	E5	60	9E	02
	00	01										

REGISTER 2.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

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	СВ	E6
	33	3A	AD	5E	В3	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	80	9A
	D3	E5	69	F7	19	24	2F	8F	СВ	69	7B	99
	0C	32	СВ	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: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 2.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[BASIC-ICON, self-explanatory]
		USSD 2.1.1	
4	$ME \to USER$	Display "Basic Icon" without the	
		icon	
5	$ME \to USS$	REGISTER 2.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 2.1	
7	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed but requested icon
		USSD 2.1.1B	could not be displayed]

TERMINAL RESPONSE: SEND USSD 2.1.1B

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

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"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01	
	04	8D	1A	00	D5	E9	94	08	9A	D3	E5	
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C	
	32	СВ	DF	6D	D0	74	0A					

Expected Sequence 2.2 (SEND USSD, 7-bit data, successful, colour icon self explanatory)

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

PROACTIVE COMMAND: SEND USSD 2.2.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
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 $EF_{(IMG)}$

BER-TLV:	D0	54	81	03	01	12	00	82	02	81	83	85
	0A	43	6F	6C	6F	72	20	49	63	6F	6E	8A
	39	F0	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	СВ	E6	33	3A	AD	5E	В3
	DB	EE	37	3C	2E	9F	D3	EB	F6	3B	3E	AF
	6F	C5	64	33	5A	CD	76	C3	E5	60	9E	02
	00	02										

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 2.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[BASIC-ICON, non self-explanatory]
		USSD 2.3.1	
4	$ME \rightarrow USER$	Display "Basic Icon" and BASIC-	
		ICON	
_		DECICTED 0.4	
5	IIIL / 000	REGISTER 2.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 2.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		USSD 2.1.1A	

PROACTIVE COMMAND: SEND USSD 2.3.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Basic Icon"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Icon Identifier

Icon qualifier: icon is non self-explanatory

Icon Identifier: record 1 in $EF_{(IMG)}$

BER-TLV:	D0	54	81	03	01	12	00	82	02	81	83	85
	0A	42	61	73	69	63	20	49	63	6F	6E	8A
	39	F0	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	СВ	E6	33	3A	AD	5E	В3
	DB	EE	37	3C	2E	9F	D3	EB	F6	3B	3E	AF
	6F	C5	64	33	5A	CD	76	C3	E5	60	9E	02
	01	01										

Expected Sequence 2.3B (SEND USSD, 7-bit data, successful, basic icon non self-explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to$	PROACTIVE COMMAND	
	ME	PENDING: SEND USSD 2.3.1	
2	ME o	FETCH	
	UICC		
3	$UICC \to$	PROACTIVE COMMAND: SEND	[BASIC-ICON, non self-explanatory]
	ME	USSD 2.3.1	
4	ME o	Display "Basic Icon" without the	
	USER	icon	
5	$ME \rightarrow USS$	REGISTER 2.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 2.1	
7	ME o	TERMINAL RESPONSE: SEND	[Command performed but requested icon
	UICC	USSD 2.1.1B	could not be displayed]

Expected Sequence 2.4 (SEND USSD, 7-bit data, basic icon non self-explanatory, no alpha identifier presented)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to$	PROACTIVE COMMAND	
	ME	PENDING: SEND USSD 2.4.1	
2	ME o	FETCH	
	UICC		
3	$UICC \to$	PROACTIVE COMMAND: SEND	[BASIC-ICON, non self-explanatory]
	ME	USSD 2.4.1	
4	ME o	TERMINAL RESPONSE: SEND	[Command data not understood by ME]
	UICC	USSD 2.4.1	

PROACTIVE COMMAND: SEND USSD 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

Icon Identifier

Icon qualifier: icon is non self-explanatory

Icon Identifier: record 1 in $EF_{(IMG)}$

BER-TLV:	D0	48	81	03	01	12	00	82	02	81	83	8A
	39	F0	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	СВ	E6	33	3A	AD	5E	В3
	DB	EE	37	3C	2E	9F	D3	EB	F6	3B	3E	AF
	6F	C5	64	33	5A	CD	76	C3	E5	60	9E	02

01	01					

TERMINAL RESPONSE: SEND USSD 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command data not understood by ME

Coding:

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01	32

27.22.4.12.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 - 2.4.

27.22.4.12.3 SEND USSD (UCS2 display in Cyrillic)

27.22.4.12.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.3.2 Conformance requirement

The ME shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.
- ETSI TS 23.038 [7] clause 5

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in: ISO/IEC 10646 [17].

27.22.4.12.3.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.3.4 Method of test

27.22.4.12.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.12.3.4.2 Procedure

Expected Sequence 3.1 (SEND USSD, 7-bit data, successful, UCS2 text in Cyrillic)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 3.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 3.1.1	
4	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	$ME \to USS$	REGISTER 3.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN	[Successful]
		RESULT) 3.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 3.1.1	[Command performed successfully]

PROACTIVE COMMAND: SEND USSD 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)
Text: "ЗДРАВСТВУЙТЕ"

USSD String

Data coding scheme: 7-bit default, no message class

USSD String: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

Coding:

BER-TLV:	D0	5F	81	03	01	12	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	8A	39	F0	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	СВ	E6	33	3A
	AD	5E	В3	DB	EE	37	3C	2E	9F	D3	EB	F6
	3B	3E	AF	6F	C5	64	33	5A	CD	76	C3	E5
	60											

REGISTER 3.1

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	СВ	E6
	33	3A	AD	5E	В3	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) 3.1

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	80	9A
	D3	E5	69	F7	19	24	2F	8F	СВ	69	7B	99
	0C	32	СВ	DF	6D	D0	74	0A				

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: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	80	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.3.5 Test requirement

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

27.22.4.12.4 SEND USSD (support of Text Attribute)

27.22.4.12.4.1 SEND USSD (support of Text Attribute – Left Alignment)

27.22.4.12.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.1.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.1.3 Test purpose

To verify that the ME displays the alpha identifier according to the left alignment text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.1.4 Method of test

27.22.4.12.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.1.4.2 Procedure

Expected Sequence 4.1 (SEND USSD, 7-bit data, successful, with Text Attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.1.1	
2	, 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 4.1.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with left alignment]
5	$ME \to USS$	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.1.1	
8	$UICC \to ME$	PROACTIVE COMMAND	
9	ME	PENDING: SEND USSD 4.1.2	
_	ME → UICC		
10	$DICC \to ME$	PROACTIVE COMMAND: SEND	
11	ME HOED	USSD 4.1.2	
11	ME → USER	Display "Text Attribute 2"	[Alpha identifier is displayed without left
			alignment. Remark: If left alignment is the ME"s default alignment as declared in table
			A.2/13, no alignment change will take place]
12	ME o USS	REGISTER 4.1	[7.2/13, 110 alignment change will take place]
13	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
13		RETURN RESULT) 4.1	[000D string received from 00]
14	ME VIICC	TERMINAL RESPONSE: SEND	
'¬		USSD 4.1.1	

PROACTIVE COMMAND: SEND USSD 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.1.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

REGISTER 4.1

Logically (only USSD argument)

 $Process Unstructured SS-Request\ ARGUMENT$

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding	30	3D	04	01	F0	04	40	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	СВ	E6
33	3A	AD	5E	В3	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) 4.1

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	80	9A
	D3	E5	69	F7	19	24	2F	8F	СВ	69	7B	99
	0C	32	СВ	DF	6D	D0	74	0A				

TERMINAL RESPONSE: SEND USSD 4.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

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	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.12.4.2 SEND USSD (support of Text Attribute – Center Alignment)

27.22.4.12.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.2.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.2.3 Test purpose

To verify that the ME displays the alpha identifier according to the center alignment text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.2.4 Method of test

27.22.4.12.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.2.4.2 Procedure

Expected Sequence 4.2 (SEND USSD, 7-bit data, successful, with Text Attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.2.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with center alignment]
5	$ME \rightarrow USS$	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.2.1	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.2.2	
9	$ME \rightarrow UICC$	FETCH	
10		PROACTIVE COMMAND: SEND USSD 4.2.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Alpha identifier is displayed without center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/13, no alignment change will take place]
12	$ME \rightarrow USS$	REGISTER 4.1	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.2.1	

PROACTIVE COMMAND: SEND USSD 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60	D0	04	00	10	01	B4		

PROACTIVE COMMAND: SEND USSD 4.2.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62

75	74	65	20	32	8A	39	F0	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	СВ
E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

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	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.12.4.3 SEND USSD (support of Text Attribute – Right Alignment)

27.22.4.12.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.3.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.3.3 Test purpose

To verify that the ME displays the alpha identifier according to the right alignment text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.3.4 Method of test

27.22.4.12.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.3.4.2 Procedure

Expected Sequence 4.3 (SEND USSD, 7-bit data, successful, with Text Attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.3.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 4.3.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with right alignment]
5	$ME \rightarrow USS$	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
7	ME → UICC	TERMINAL RESPONSE: SEND	
	, , , , ,	USSD 4.3.1	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.3.2	
9	$ME \rightarrow UICC$		
10	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.3.2	
11	ME → USER	Display "Text Attribute 2"	[Alpha identifier is displayed without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/13, no alignment change will take place]
12	$ME \to USS$	REGISTER 4.1	
13	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	-
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.3.1	

PROACTIVE COMMAND: SEND USSD 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60	D0	04	00	10	02	B4		

PROACTIVE COMMAND: SEND USSD 4.3.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

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	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.12.4.4 SEND USSD (support of Text Attribute – Large Font Size)

27.22.4.12.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.4.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.4.3 Test purpose

To verify that the ME displays the alpha identifier according to the large font size text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.4.4 Method of test

27.22.4.12.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.4.4.2 Procedure

Expected Sequence 4.4 (SEND USSD, 7-bit data, successful, with Text Attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.4.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with large font size]
5	$ME \to USS$	REGISTER 4.1	-
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.4.1	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.4.2	
9	ME → UICC	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.4.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Alpha identifier is displayed with normal font size]
12	$ME \to USS$	REGISTER 4.1	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.4.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.4.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with large font size]
19	$ME \to USS$	REGISTER 4.1	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.4.1	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.4.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.4.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Alpha identifier is displayed with normal font size]
26	$ME \to USS$	REGISTER 4.1	_
27	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
28	$ME \to UICC$	RETURN RESULT) 4.1 TERMINAL RESPONSE: SEND USSD 4.4.1	
	l .	1	

PROACTIVE COMMAND: SEND USSD 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60	D0	04	00	10	04	B4		

PROACTIVE COMMAND: SEND USSD 4.4.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0
Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ
E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.4.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
-	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.12.4.5 SEND USSD (support of Text Attribute – Small Font Size)

27.22.4.12.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.5.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.5.3 Test purpose

To verify that the ME displays the alpha identifier according to the small font size text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.5.4 Method of test

27.22.4.12.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.5.4.2 Procedure

Expected Sequence 4.5 (SEND USSD, 7-bit data, successful, with Text Attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.5.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.5.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with small font size]
5	$ME \to USS$	REGISTER 4.1	3120]
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
0	LUCC ME	USSD 4.5.1	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.5.2	
9	$ME \rightarrow UICC$	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
		USSD 4.5.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Alpha identifier is displayed with normal font size]
12	$ME \to USS$	REGISTER 4.1	
13	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.5.1	
15	$UICC \to ME$	PROACTIVE COMMAND	
10	OIGG / WIL	PENDING: SEND USSD 4.5.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
40		USSD 4.5.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with small font size]
19	$ME \to USS$	REGISTER 4.1	Sizej
20	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
	7	RETURN RESULT) 4.1	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.5.1	
22	$UICC \to ME$	PROACTIVE COMMAND	
23	ME → UICC	PENDING: SEND USSD 4.5.3 FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	
'	JIOO / IVIL	USSD 4.5.3	
25	$ME \to USER$	Display "Text Attribute 3"	[Alpha identifier is displayed with normal font size]
26	$ME \to USS$	REGISTER 4.1	
27	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.5.1	

PROACTIVE COMMAND: SEND USSD 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60	D0	04	00	10	80	B4		

PROACTIVE COMMAND: SEND USSD 4.5.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0
Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ
E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.5.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.5.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.12.4.6 SEND USSD (support of Text Attribute – Bold On)

27.22.4.12.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.6.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.6.3 Test purpose

To verify that the ME displays the alpha identifier according to the bold text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.6.4 Method of test

27.22.4.12.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.6.4.2 Procedure

Expected Sequence 4.6 (SEND USSD, 7-bit data, successful, with Text Attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.6.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 4.6.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with bold on]
5	$ME \rightarrow USS$	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
_		RETURN RESULT) 4.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
8	LUCC ME	USSD 4.6.1 PROACTIVE COMMAND	
0	$UICC \to ME$	PENDING: SEND USSD 4.6.2	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
	OICC - WIL	USSD 4.6.2	
11	ME → USER	Display "Text Attribute 2"	[Alpha identifier is displayed with bold off]
12	$ME \to USS$	REGISTER 4.1	
13	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.6.1	
15	$UICC \to ME$	PROACTIVE COMMAND	
4.0		PENDING: SEND USSD 4.6.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
18	ME LICED	USSD 4.6.1 Display "Text Attribute 1"	[Alpha identifier is displayed with bold on]
19	$\begin{array}{c} ME \to USER \\ ME \to USS \end{array}$	REGISTER 4.1	[Alpha identifier is displayed with bold on]
20	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
20		RETURN RESULT) 4.1	[OOOD string received from OO]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
	, <u>.</u>	USSD 4.6.1	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.6.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 4.6.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Alpha identifier is displayed with bold off]
26	$ME \rightarrow USS$	REGISTER 4.1	FIII 100D
27	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
20	ME	RETURN RESULT) 4.1	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.6.1	

PROACTIVE COMMAND: SEND USSD 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60	D0	04	00	10	10	B4		

PROACTIVE COMMAND: SEND USSD 4.6.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ

E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.6.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.6.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.12.4.7 SEND USSD (support of Text Attribute – Italic On)

27.22.4.12.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.7.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.7.3 Test purpose

To verify that the ME displays the alpha identifier according to the italic text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.7.4 Method of test

27.22.4.12.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.7.4.2 Procedure

Expected Sequence 4.7 (SEND USSD, 7-bit data, successful, with Text Attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.7.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 4.7.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with italic on]
5	$ME \rightarrow USS$	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
_		RETURN RESULT) 4.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.7.1	
8	$UICC \to ME$	PROACTIVE COMMAND	
9	ME → UICC	PENDING: SEND USSD 4.7.2 FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
10		USSD 4.7.2	
11	ME → USER	Display "Text Attribute 2"	[Alpha identifier is displayed with italic off]
12	ME → USS	REGISTER 4.1	propriet identifier to displayed with italie on
13	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
	000 7 WIE	RETURN RESULT) 4.1	
14	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND	
		USSD 4.7.1	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.7.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
4.0		USSD 4.7.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with italic on]
19	ME → USS	REGISTER 4.1	[III.100D (; ;) (00III
20	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
21	ME LUCC	RETURN RESULT) 4.1 TERMINAL RESPONSE: SEND	
21	$ME \rightarrow UICC$	USSD 4.7.1	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.7.3	
23	ME → UICC	FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND	
	0.00 /	USSD 4.7.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Alpha identifier is displayed with italic off]
26	$ME \to USS$	REGISTER 4.1	
27	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.7.1	

PROACTIVE COMMAND: SEND USSD 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60	D0	04	00	10	20	B4		

PROACTIVE COMMAND: SEND USSD 4.7.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ

E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.7.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.12.4.8 SEND USSD (support of Text Attribute – Underline On)

27.22.4.12.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.8.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.8.3 Test purpose

To verify that the ME displays the alpha identifier according to the underline text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.8.4 Method of test

27.22.4.12.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.8.4.2 Procedure

Expected Sequence 4.8 (SEND USSD, 7-bit data, successful, with Text Attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.8.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.8.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with underline on]
5	$ME \to USS$	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
7	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND USSD 4.8.1	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.8.2	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.8.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Alpha identifier is displayed with underline off]
12	$ME \to USS$	REGISTER 4.1	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
14	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND USSD 4.8.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.8.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.8.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with underline on]
19	$ME \to USS$	REGISTER 4.1	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.8.1	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.8.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.8.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Alpha identifier is displayed with underline off]
26	$ME \to USS$	REGISTER 4.1	
27	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.8.1	

PROACTIVE COMMAND: SEND USSD 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60	D0	04	00	10	40	B4		·

PROACTIVE COMMAND: SEND USSD 4.8.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0
Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ
E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.8.3

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.12.4.9 SEND USSD (support of Text Attribute – Strikethrough On)

27.22.4.12.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.9.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.9.3 Test purpose

To verify that the ME displays the alpha identifier according to the strikethrough text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.9.4 Method of test

27.22.4.12.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.9.4.2 Procedure

Expected Sequence 4.9 (SEND USSD, 7-bit data, successful, with Text Attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
_		PENDING: SEND USSD 4.9.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.9.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with strikethrough on]
5	$ME \rightarrow USS$	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
_		RETURN RESULT) 4.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.9.1	
8	UICC → ME	PROACTIVE COMMAND	
	OICC → IVIL	PENDING: SEND USSD 4.9.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 4.9.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Alpha identifier is displayed with strikethrough off]
12	$ME \rightarrow USS$	REGISTER 4.1	5]
13	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
4.5	LUCO ME	USSD 4.9.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.9.1	
16	ME → UICC	FETCH	
17	UICC → ME	PROACTIVE COMMAND: SEND	
	0.00 /	USSD 4.9.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Alpha identifier is displayed with strikethrough
4.0		DE0107ED 4.4	on]
19	ME → USS	REGISTER 4.1	[
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
21	ME → UICC	TERMINAL RESPONSE: SEND	
	IVIL -> 0100	USSD 4.9.1	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.9.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	
25	ME LIGER	USSD 4.9.3	[Alpha identifier is displayed with atribath recent
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Alpha identifier is displayed with strikethrough off]
26	$ME \to USS$	REGISTER 4.1	loui1
27	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	, , , , , , , , , , , , , , , , , , , ,
28	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND	
		USSD 4.9.1	

PROACTIVE COMMAND: SEND USSD 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60	D0	04	00	10	80	B4		

PROACTIVE COMMAND: SEND USSD 4.9.2

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0
Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ
E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.9.3

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 3"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	33	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.12.4.10 SEND USSD (support of Text Attribute – Foreground and Background Colour)

27.22.4.12.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.4.10.2 Conformance requirement

The terminal shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.

27.22.4.12.4.10.3 Test purpose

To verify that the ME displays the alpha identifier according to the foreground and background colour text attribute configuration in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.4.10.4 Method of test

27.22.4.12.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.

The elementary files are coded as UICC default. Prior to this test the terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.12.4.10.4.2 Procedure

Expected Sequence 4.10 (SEND USSD, 7-bit data, successful, with Text Attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.10.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 4.10.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with foreground
			and background colour according to text
_	ME LIGO	DECISTED 4.4	attribute configuration]
5	11.12	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
_		RETURN RESULT) 4.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.10.1	
8	$DICC \to ME$	PROACTIVE COMMAND	
	ME 11100	PENDING: SEND USSD 4.10.2	
9	ME → UICC		
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
l		USSD 4.10.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with ME"s
40		DECICTED 4.4	default foreground and background colour]
12	IIIL / 000	REGISTER 4.1	
13	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.10.1	

PROACTIVE COMMAND: SEND USSD 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 1"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	5C	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	31	8A	39	F0	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	СВ
E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
76	C3	E5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.10.2

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Text Attribute 2"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	56	81	03	01	12	00	82	02	81	83	85
	10	54	65	78	74	20	41	74	74	72	69	62
	75	74	65	20	32	8A	39	F0	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	СВ
	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F
	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD
	76	C3	E5	60								

TERMINAL RESPONSE: SEND USSD 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

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	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.12.5 SEND USSD (UCS2 display in Chinese)

27.22.4.12.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.5.2 Conformance requirement

The ME shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.
- ETSI TS 23.038 [7] clause 5

Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in: ISO/IEC 10646 [17].

27.22.4.12.5.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.5.4 Method of test

27.22.4.12.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.12.5.4.2 Procedure

Expected Sequence 5.1 (SEND USSD, 7-bit data, successful, UCS2 text in Chinese)

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Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 5.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 5.1.1	
4	$ME \rightarrow USER$	Display "你好"	["Hello" in Chinese]
5	$ME \to USS$	REGISTER 5.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN	[Successful]
		RESULT) 5.1	-
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 5.1.1	[Command performed successfully]

PROACTIVE COMMAND: SEND USSD 5.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: **UICC** Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit) "你好" Text:

USSD String

Data coding scheme: 7-bit default, no message class

USSD String: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	4B	81	03	01	12	00	82	02	81	83	85
	05	80	4F	60	59	7D	8A	39	F0	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
	СВ	E6	33	3A	AD	5E	В3	DB	EE	37	3C	2E
	9F	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A
	CD	76	C3	E5	60							

REGISTER 5.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD String:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

Coding	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	СВ	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) 5.1

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:

Coding	30	1E	04	01	00	04	19	D5	E9	94	80	9A
	D3	E5	69	F7	19	24	2F	8F	СВ	69	7B	99
	0C	32	СВ	DF	6D	D0	74	0A				

TERMINAL RESPONSE: SEND USSD 5.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: 7-bit default, no message class String: "USSD string received from SS"

BER-TLV:	81	03	01	12	00	82	02	82	81	83	01
	00	8D	1A	00	D5	E9	94	80	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.5.5 Test requirement

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

27.22.4.12.6 SEND USSD (UCS2 display in Katakana)

27.22.4.12.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.12.6.2 Conformance requirement

The ME shall support the Proactive UICC: Send USSD facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.12, clause 6.6.11, clause 8.12.7, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.17, clause 8.31 and clause 6.5.
- ETSI TS 23.038 [7] clause 5

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in: ISO/IEC 10646 [17].

27.22.4.12.6.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND USSD proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.12.6.4 Method of test

27.22.4.12.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.12.6.4.2 Procedure

Expected Sequence 6.1 (SEND USSD, 7-bit data, successful, UCS2 text in Katakana)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		USSD 6.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 6.1.1	
4	$ME \rightarrow USER$	Display "ル"	[Character " in Katakana]
5	$ME \to USS$	REGISTER 6.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN	[Successful]
		RESULT) 6.1	-
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 6.1.1	[Command performed successfully]

PROACTIVE COMMAND: SEND USSD 6.1.1

Logically:

Command details

Command number:

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)

Text: "ル"

USSD String

Data coding scheme: 7-bit default, no message class

USSD String: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

BER-TLV:	D0	49	81	03	01	12	00	82	02	81	83	85
	03	80	30	EB	8A	39	F0	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	СВ	E6
	33	3A	AD	5E	В3	DB	EE	37	3C	2E	9F	D3
	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD	76
	C3	E5	60									

REGISTER 6.1

Logically (only USSD argument)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD String:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

Coding	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	СВ	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) 6.1

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	30	1E	04	01	00	04	19	D5	E9	94	80	9A
	D3	E5	69	F7	19	24	2F	8F	СВ	69	7B	99
	0C	32	СВ	DF	6D	D0	74	0A				

TERMINAL RESPONSE: SEND USSD 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

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	00	D5	E9	94	08	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.13 SET UP CALL

27.22.4.13.1 SET UP CALL (normal)

27.22.4.13.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.1.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3 and clause 5.2.

27.22.4.13.1.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.1.4 Method of test

27.22.4.13.1.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM 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 USS.

27.22.4.13.1.4.2 Procedure

Expected Sequence 1.1 (SET UP CALL, call confirmed by the user and connected)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 1.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL	
4	$ME \to USER$	ME displays "Not busy" during user confirmation phase.	
5	$USER \to ME$	The user confirms the call set up	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to "+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
8	$ME \to UICC$	TERMINAL RESPONSE 1.1.1 The ME shall not update EF LND with the called party address.	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 10 s. The ME returns to idle mode.	

PROACTIVE COMMAND: SET UP CALL 1.1.1

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: UICC
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 1.1.1

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: UICC

Result

General Result: Command performed successfully

Coding:

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

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

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

Result

General Result: User did not accept the proactive command

Coding:

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

Expected Sequence 1.3void

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	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET	
		UP CALL 1.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 1.4.1	[putting all other calls on hold]
4	$ME \to USER$	ME displays "On hold" during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirms the call]
6	$ME \to USS$	The active call is put on hold	
7	ME→USS	The ME attempts to set up a call to "+012340123456"	
8	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
9	$ME \to UICC$	TERMINAL RESPONSE 1.4.1	[Command performed successfully]
10	$USER \to ME$	The user ends the call after 10 s. The ME retrieves the previous call automatically or on request of the user.	

PROACTIVE COMMAND: 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: UICC
Destination device: Network
Alpha identifier: "On hold"

Address

TON: International

NPI: 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: UICC

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	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET	
		UP CALL 1.5.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 1.5.1	[disconnecting all other calls]
4	$ME \rightarrow USER$	ME displays "Disconnect" during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirms the call]
6	$ME \to USS$	The ME disconnects the active call	
7	ME→USS	The ME attempts to set up a call to "+012340123456"	
8	USS → ME	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
9	$ME \rightarrow UICC$	TERMINAL RESPONSE 1.5.1	[Command performed successfully]
10	$USER \to ME$	The user ends the call after 10 s.	

PROACTIVE COMMAND: SET UP CALL 1.5.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: disconnecting all other calls

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Disconnect"

Address

TON: International

NPI: 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: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 1.6 (SET UP CALL, only if not currently busy on another call, ME busy)

ME is busy on a call

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[only if not currently busy on another call]
		CALL 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE 1.6.1	[ME currently unable to process command]

TERMINAL RESPONSE: SET UP CALL 1.6.1

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: UICC

Result

General Result: ME currently unable to process command

Additional Information: ME currently busy on call

Coding:

BER-TLV:	81	03	01	10	00	82	02	82	81	83	02	20
	02											

Expected Sequence 1.7 (SET UP CALL, putting all other calls on hold, call hold is not allowed)

ME is busy on a call. The USS shall be configured to not allow Call Hold.

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.4.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[putting all other calls on hold]
		CALL 1.4.1	
4	$ME \to USER$	ME displays "On hold" during the	
		user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirms the call]
6	$ME \to USS$	The ME attempts to put the active	
		call on hold.	
7	USS->ME	The ME receives the HOLD	[USS sends 'Facility Rejected' as cause value]
		REJECT message from the USS.	
8	$ME \to UICC$	TERMINAL RESPONSE 1.7.1A	[Network currently unable to process command]
		OR	
		TERMINAL RESPONSE 1.7.1B	

TERMINAL RESPONSE: SET UP CALL 1.7.1A

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: UICC

Result

General Result: Network currently unable to process command

Additional Information: No specific cause can be given

Coding:

BER-TLV:	81	03	01	10	02	82	02	82	81	83	02	21
	00											

TERMINAL RESPONSE: SET UP CALL 1.7.1B

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: UICC

Result

General Result: Network currently unable to process command

Additional Information: Facility Rejected

BER-TLV:	81	03	01	10	02	82	02	82	81	83	02	21
	9D											

Expected Sequence 1.8 (SET UP CALL, Capability configuration)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.8.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[Capability configuration parameters: full rate
			support]
4	$ME \rightarrow USER$	ME displays "Capability config"	
		during the user confirmation phase	
5	$USER \to ME$	•	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	
		"+012340123456" using the	
		capability configuration parameters	
_		supplied by UICC	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent by
8	ME LUCC	TERMINAL RESPONSE 1.8.1	the ME in an appropriate way]
0	$ME \rightarrow UICC$	TERIVIINAL RESPONSE 1.6.1	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 10 s	
3	OSLIN - IVIL	The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 1.8.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: if not busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Capability config"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Capability configuration parameters

Information transfer cap: full rate support only MS

Coding:

BER-TLV:	D0	2B	81	03	01	10	00	82	02	81	83	85
	11	43	61	70	61	62	69	6C	69	74	79	20
	63	6F	6E	66	69	67	86	09	91	10	32	04
	21	43	65	1C	2C	87	02	01	A0			

TERMINAL RESPONSE: SET UP CALL 1.8.1

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: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	10	00	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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.9.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND SET UP CALL 1.9.1	[dialling number string, no alpha identifier]
4	$USER \to ME$	The user confirms the set up call	[user confirmation]
5	ME→USS	The ME attempts to set up a call to "01234567890123456789012345678901"	
6	$USS \to ME$	The ME receives the CONNECT message from the USS.	
7	$ME \to UICC$	TERMINAL RESPONSE 1.9.1	[Command performed successfully]
8	$USER \to ME$	The user ends the call	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 1.9.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call with redial

Device identities

Source device: UICC
Destination device: Network

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string: "0123456789012345678901"

Coding:

BER-TLV:	D0	1C	81	03	01	10	01	82	02	81	83	86
	11	91	10	32	54	76	98	10	32	54	76	98
	10	32	54	76	98	10						

TERMINAL RESPONSE: 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: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 1.10 (SET UP CALL,256 octets length, long first alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP	
		CALL 1.10.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL	[alpha identifier]
		1.10.1	
4	$ME \rightarrow USER$	ME displays "Three types are defined: - set up	
		a call, but only if not currently busy on another	
		call; - set up a call, putting all other calls (if any)	
		on hold; - set up a call, disconnecting all other	
		calls (if any) first. For each of these types, "	
_		during the user confirmation phase.	
5	$USER \to ME$	•	[user confirmation]
6	ME→USS	The ME attempts to set up a call to "+01"	
7	$USS \to ME$	The ME receives the CONNECT message from	
		the USS.	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 1.10.1	[Command performed successfully]
9	$USER \rightarrow ME$	The user ends the call	
		The ME returns in idle mode.	

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 with redial

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Three types are defined: - set up a call, but only if not currently busy on another

call; - set up a call, putting all other calls (if any) on hold; - set up a call, disconnecting all other calls (if any) first. For each of these types, "

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string: "01"

BER-TLV:	D0	81	FD	81	03	01	10	01	82	02	81	83
	85	81	ED	54	68	72	65	65	20	74	79	70
	65	73	20	61	72	65	20	64	65	66	69	6E
	65	64	3A	20	2D	20	73	65	74	20	75	70
	20	61	20	63	61	6C	6C	2C	20	62	75	74
	20	6F	6E	6C	79	20	69	66	20	6E	6F	74
	20	63	75	72	72	65	6E	74	6C	79	20	62

75	73	79	20	6F	6E	20	61	6E	6F	74	68
7.5	73	13	20	Oi	OL	20	01	OL	Oi	74	00
65	72	20	63	61	6C	6C	3B	20	2D	20	73
65	74	20	75	70	20	61	20	63	61	6C	6C
2C	20	70	75	74	74	69	6E	67	20	61	6C
6C	20	6F	74	68	65	72	20	63	61	6C	6C
73	20	28	69	66	20	61	6E	79	29	20	6F
6E	20	68	6F	6C	64	3B	20	2D	20	73	65
74	20	75	70	20	61	20	63	61	6C	6C	2C
20	64	69	73	63	6F	6E	6E	65	63	74	69
6E	67	20	61	6C	6C	20	6F	74	68	65	72
20	63	61	6C	6C	73	20	28	69	66	20	61
6E	79	29	20	66	69	72	73	74	2E	20	46
6F	72	20	65	61	63	68	20	6F	66	20	74
68	65	73	65	20	74	79	70	65	73	2C	20
86	02	91	10								

TERMINAL RESPONSE: SET UP CALL 1.10.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call with redial

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

Expected Sequence 1.11A (SET UP CALL, Called party subaddress, command performed successfully)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 1.11.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[set up a call with called party subaddress]
		CALL 1.11.1	
4	$ME \to USER$	ME displays "Called party" during	
		the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME { ightarrow} USS$	The ME attempts to set up a call to	
		"+012340123456" with the called	
		party subaddress information	
7	$USS \to ME$		[The USS also has to handle the START
		_	DTMF and STOP DTMF messages sent by
			the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 1.11.1A	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 10 s	
		The ME returns in idle mode.	

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

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

PROACTIVE COMMAND: SET UP CALL 1.11.1

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: if not busy on another call

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Called party"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string: "012340123456p1p2"

Called party subaddress

Type of subaddress: NSAP (X.213 / ISO 8348 AD2) Odd / even indicator: even number of address signals Subaddress information: AFI, 95, 95, 95, 95, 95

BER-TLV:	D0	2B	81	03	01	10	00	82	02	81	83	85
	0C	43	61	6C	6C	65	64	20	70	61	72	74
	79	86	09	91	10	32	04	21	43	65	1C	2C

88	07	80	50	95	95	95	95	95		

TERMINAL RESPONSE: SET UP CALL 1.11.1A

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: if not busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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: UICC

Result

General Result: Beyond ME's capabilities

Coding:

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

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

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

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

Address

TON: International

NPI: 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: UICC

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											

27.22.4.13.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.12.

27.22.4.13.2 SET UP CALL (second alpha identifier)

27.22.4.13.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.2.2 Conformance requirement

Same as clause 27.22.4.13.2.1.

27.22.4.13.2.3 Test purpose

To verify that the ME accepts a Proactive Command - Set Up Call, displays the alpha identifiers to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.2.4 Method of test

27.22.4.13.2.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and is in updated idle mode on the USS.

27.22.4.13.2.4.2 Procedure

Expected Sequence 2.1 (SET UP CALL, two alpha identifiers)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 2.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 2.1.1	
4	$ME \rightarrow USER$	ME displays "CONFIRMATION" during	
		the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier]
		"+012340123456".	
		The ME displays "CALL"	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
8	$ME \to UICC$	TERMINAL RESPONSE 2.1.1	[Command performed successfully]
		The ME shall not update EF LND with	
		the called party address.	
9	$USER \to ME$	The user ends the call after 10 s.	
		The ME returns in idle mode.	

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL"

Coding:

BER-TLV:	D0	28	81	03	01	10	00	82	02	81	83	85
	0C	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	86	09	91	10	32	04	21	43	65	1C	2C
	85	04	43	41	4C	4C						

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: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.2.5 Test requirement

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

27.22.4.13.3 SET UP CALL (display of icons)

27.22.4.13.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.3.2 Conformance requirement

27.22.4.13.3.3 Test purpose

To verify that the ME accepts a Proactive Set Up Call, displays the message or icon to the user, attempts to set up a call to the address, returns the result in the TERMINAL response.

27.22.4.13.3.4 Method of test

27.22.4.13.3.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and is in updated idle mode on the USS.

27.22.4.13.3.4.2 Procedure

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 3.1.1	Including icon identifier, icon shall be displayed in addition of the first alpha identifier
4	$ME \to USER$	ME displays "Set up call Icon 3.1.1" and the basic icon during a user confirmation phase.	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	ME→USS	The ME attempts to set up a call to "+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
8	$ME \to UICC$	TERMINAL RESPONSE 3.1.1A	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 10 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: UICC
Destination device: Network

Alpha identifier: "Set up call Icon 3.1.1"

Address

TON: International

NPI: 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	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: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 3.1B (SET UP CALL, display of basic icon during confirmation phase, not selfexplanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	Including icon identifier, icon shall be
		CALL 3.1.1	displayed in addition of the first alpha identifier
4	$ME \rightarrow USER$	ME displays "Set up call Icon 3.1.1" without the basic icon during a user confirmation phase.	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	ME→USS	The ME attempts to set up a call to "+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
8	$ME \to UICC$	TERMINAL RESPONSE 3.1.1B	[Command performed successfully, but requested icon could not be displayed].
9	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	

TERMINAL RESPONSE: SET UP CALL 3.1.1B

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: ME
Destination device: UICC

Result

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

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

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.2.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	Including icon identifier, icon shall be
		CALL 3.2.1	displayed instead of the first alpha identifier
4	$ME \to USER$	ME displays the basic icon during	
		a user confirmation phase.	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	
		"+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		, ,	DTMF and STOP DTMF messages sent by
			the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 3.2.1A	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 10 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 3.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Set up call Icon 3.2.1"

Address

TON: International

NPI: 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	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:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 3.2B (SET UP CALL, display of basic icon during confirmation phase, selfexplanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$		Including icon identifier, icon shall be
		CALL 3.2.1	displayed instead of the first alpha identifier
4	$ME \to USER$	ME display "Set up call Icon 3.2.1"	
		without the icon	
5	$USER \to ME$	•	[user confirmation]
6	$ME { ightarrow} USS$	The ME attempts to set up a call to	
		"+012340123456"	
7	$USS \to ME$		[The USS also has to handle the START
		_	DTMF and STOP DTMF messages sent by
_			the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 3.2.1B	[Command performed successfully, but
			requested icon could not be displayed].
9	$USER \to ME$	The user ends the call after 10 s.	
		The ME returns in idle mode.	

TERMINAL RESPONSE: SET UP CALL 3.2.1B

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

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

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

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.3.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	Including icon identifier, icon shall be displayed in
		CALL 3.3.1	addition of the first alpha identifier
4	$ME \rightarrow USER$	ME displays "Set up call Icon	
		3.3.1" and the colour icon during a	
		user confirmation phase.	
5	$USER \to ME$		[user confirmation]
6	$ME { ightarrow} USS$	The ME attempts to set up a call to	
		"+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START DTMF
		message from the USS.	and STOP DTMF messages sent by the ME in an
			appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 3.3.1A	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 10 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 3.3.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Set up call Icon 3.3.1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Icon identifier

Icon qualifier: icon is not self-explanatory
Icon identifier: <record 2 in EF IMG>

Coding:

BER-TLV:	D0	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: UICC

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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	Including icon identifier, icon shall be
			displayed in addition of the first alpha
			identifier
4	$ME \to USER$	ME only display alpha string: " Set	
		up call Icon 3.3.1"	
5	$USER \to ME$	•	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	
		"+012340123456"	
7	$USS \to ME$		[The USS also has to handle the START
			DTMF and STOP DTMF messages sent by
			the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 3.3.1B	[Command performed successfully, but
		T	requested icon could not be displayed].
9	$USER \rightarrow ME$	The user ends the call after 10 s.	
		The ME returns in idle mode.	

TERMINAL RESPONSE: SET UP CALL 3.3.1B

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

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

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

Expected Sequence 3.4A (SET UP CALL, display of self explanatory basic icon during set up call, successful)

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Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.4.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	Including a second alpha identifier and two
		CALL 3.4.1	icons
4	$ME \to USER$	ME displays the basic icon during	
		a user confirmation phase.	
5	$USER \to ME$	•	[user confirmation]
6	$ME { ightarrow} USS$	The ME attempts to set up a call to	
		"+012340123456". The ME	
		displays the basic icon without the	
		text during the set up call.	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent by
		TERMINAL RESPONSE S 4 44	the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 3.4.1A	[Command performed successfully]
	LIGED ME	The war and the call often 10 a	
9	USER → ME	The user ends the call after 10 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 3.4.1

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: UICC
Destination device: Network

Alpha identifier: "Set up call Icon 3.4.1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Icon identifier

Icon qualifier: icon is self-explanatory
Icon identifier: <record 1 in EF IMG>
Alpha identifier: "Set up call Icon 3.4.2"

Icon identifier

Icon qualifier: icon is self-explanatory
Icon identifier: <record 1 in EF IMG>

Coding:

BER-TLV:	D0	4C	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	34	2E	31	86
	09	91	10	32	04	21	43	65	1C	2C	9E	02
	00	01	85	16	53	65	74	20	75	70	20	63
	61	6C	6C	20	49	63	6F	6E	20	33	2E	34
	2F	32	9F	02	00	01						

TERMINAL RESPONSE: SET UP CALL 3.4.1A

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: UICC

Result

General Result: Command performed successfully

Coding:

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

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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.4.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	Including a second alpha identifier and two
		CALL 3.4.1	icons
4	$ME \to USER$	ME displays "Set up call Icon	
		3.4.1" without the icon	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	
		"+012340123456". The ME	
		displays "Set up call Icon 3.4.2"	
		without the icon during the set up	
		call.	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent by
	ME 11100	TERMINAL RECOONER 2.4.4R	the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 3.4.1B	[Command performed successfully, but
	LICED . ME	The year and the call ofter 10 a	requested icon could not be displayed].
9	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	
		THE ME TELUITIS III IGIE MOGE.	

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: ME
Destination device: UICC

Result

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

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

27.22.4.13.3.5 Test requirement

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

27.22.4.13.4 SET UP CALL (support of Text Attribute)

27.22.4.13.4.1 SET UP CALL (support of Text Attribute – Left Alignment)

27.22.4.13.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.1.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.1.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the left alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.1.4 Method of test

27.22.4.13.4.1.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.1.4.2 Procedure

Expected Sequence 4.1 (SET UP CALL, Text Attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 4.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 4.1.1	
4	$ME \rightarrow USER$	ME displays "CONFIRMATION 1"	
5	$USER \to ME$	during the user confirmation phase The user confirms the set up call	[user confirmation is displayed with left
	USEN → IVIE	The user committis the set up can	alignment]
6	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456".	left alignment]
		The ME displays "CALL 1"	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
		TERMINAL RESPONSE 4.4.4	by the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.1.1	[Command performed successfully]
		The ME shall not update EF LND with the called party address.	
9	USER → ME	The user ends the call after 10 s.	
	OOLIN -> IVIL	The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 4.1.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
4.0		CALL 4.1.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2"	
14	$USER \to ME$	during the user confirmation phase The user confirms the set up call	[User confirmation shall be formatted
14	USER → IVIE	The user committis the set up can	without left alignment. Remark: If left
			alignment is the ME"s default alignment
			as declared in table A.2/14, no alignment
			change will take place]
15	$ME \to USS$	The ME attempts to set up a call to	[Second alpha identifier shall be
		"+012340123456".	formatted without left alignment.
		The ME displays "CALL 2"	Remark: If left alignment is the ME"s
			default alignment as declared in table
1			A.2/14, no alignment change will take place]
16	$USS \to ME$	The ME receives the CONNECT	The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
17	$ME \to UICC$	TERMINAL RESPONSE 4.1.1	[Command performed successfully]
1		The ME shall not update EF LND with	
		the called party address.	
18	$USER \to ME$	The user ends the call after 18 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.1.1

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	00	B4	D0	04	00	06	00	B4		

PROACTIVE COMMAND: SET UP CALL 4.1.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Coding:

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32		

TERMINAL RESPONSE: SET UP CALL 4.1.1

Logically:

402

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.13.4.2 SET UP CALL (support of Text Attribute – Center Alignment)

27.22.4.13.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.2.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.2.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the center alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.2.4 Method of test

27.22.4.13.4.2.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.2.4.2 Procedure

Expected Sequence 4.2 (SET UP CALL, Text Attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 4.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
_		CALL 4.2.1	
4	$ME \rightarrow USER$	ME displays "CONFIRMATION 1" during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with
	USER → IVIE	The user committis the set up can	center alignment]
6	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
	ME 7000	"+012340123456".	center alignment]
		The ME displays "CALL 1"	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.2.1	[Command performed successfully]
		The ME shall not update EF LND with	
	LIGED ME	the called party address.	
9	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
10		SET UP CALL 4.2.2	
11	ME → UICC	FETCH	
12	UICC → ME	PROACTIVE COMMAND: SET UP	
·-	OIGG / IVIL	CALL 4.2.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2"	
		during the user confirmation phase	
14	$USER \to ME$	The user confirms the set up call	[User confirmation shall be formatted
			without center alignment. Remark: If
			center alignment is the ME"s default
			alignment as declared in table A.2/14, no
15	ME LICC	The ME attempts to get up a cell to	alignment change will take place]
15	$ME \to USS$	The ME attempts to set up a call to "+012340123456".	[Second alpha identifier shall be formatted without centert alignment.
		The ME displays "CALL 2"	Remark: If center alignment is the ME's
		The ME displays OALL 2	default alignment as declared in table
			A.2/14, no alignment change will take
			place]
16	$USS \to ME$	The ME receives the CONNECT	The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.2.1	[Command performed successfully]
		The ME shall not update EF LND with	
40		the called party address.	
18	$USER \to ME$	The user ends the call after 10 s.	
1		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.2.1

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	01	B4	D0	04	00	06	01	B4		

PROACTIVE COMMAND: SET UP CALL 4.2.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Coding:

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32		

TERMINAL RESPONSE: SET UP CALL 4.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.13.4.3 SET UP CALL (support of Text Attribute – Right Alignment)

27.22.4.13.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.3.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.3.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the right alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.3.4 Method of test

27.22.4.13.4.3.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.3.4.2 Procedure

Expected Sequence 4.3 (SET UP CALL, Text Attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 4.3.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
4	$ME \rightarrow USER$	ME displays "CONFIRMATION 1"	
	IVIL -> OOLIK	during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with right
		TI NAT III	alignment]
6	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with right alignment]
		The ME displays "CALL 1"	ingrit angrimentj
7	$USS \to ME$	The ME receives the CONNECT	The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.3.1	[Command performed successfully]
		The ME shall not update EF LND with the called party address.	
9	$USER \to ME$	The user ends the call after 10 s.	
	OOLIN -> IVIL	The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 4.3.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
13	ME → USER	CALL 4.3.2 ME displays "CONFIRMATION 2"	
13	IVIE → USEK	during the user confirmation phase	
14	$USER \to ME$	The user confirms the set up call	[User confirmation shall be formatted
		·	without right alignment. Remark: If right
			alignment is the ME"s default alignment
			as declared in table A.2/14, no alignment
15	ME o USS	The ME attempts to set up a call to	change will take place] [Second alpha identifier shall be
13		"+012340123456".	formatted without right alignment.
		The ME displays "CALL 2"	Remark: If right alignment is the ME"s
		. ,	default alignment as declared in table
			A.2/14, no alignment change will take
40		The ME we said to the COMMISSE	place]
16	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START DTMF and STOP DTMF messages sent
		message from the USS.	by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.3.1	[Command performed successfully]
		The ME shall not update EF LND with	
		the called party address.	
18	$USER \to ME$	The user ends the call after 10 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.3.1

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

407

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	02	B4	D0	04	00	06	02	B4		

PROACTIVE COMMAND: SET UP CALL 4.3.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase):"CALL 2"

Coding:

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32		

TERMINAL RESPONSE: SET UP CALL 4.3.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.13.4.4 SET UP CALL (support of Text Attribute – Large Font Size)

27.22.4.13.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.4.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.4.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the large font size text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.4.4 Method of test

27.22.4.13.4.4.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.4.4.2 Procedure

Expected Sequence 4.4 (SET UP CALL, Text Attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
2	$ME \rightarrow UICC$	SET UP CALL 4.4.1 FETCH	
3	UICC → ME	PROACTIVE COMMAND: SET UP	
		CALL 4.4.1	
4	$ME \rightarrow USER$	ME displays "CONFIRMATION 1" during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with large
	ME LIGO	The ME estemants to est up a cell to	font size]
6	$ME \to USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with large font size]
		The ME displays "CALL 1"	
7	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent
		message nom the 000.	by the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.4.1	[Command performed successfully]
		The ME shall not update EF LND with the called party address.	
9	$USER \to ME$	The user ends the call after 10 s.	
10	LUCC ME	The ME returns in idle mode. PROACTIVE COMMAND PENDING:	
10	$UICC \to ME$	SET UP CALL 4.4.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.4.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2"	
4.4	LIGED ME	during the user confirmation phase	Turner confirmation in displayed with
14	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with normal font size]
15	ME o USS	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456". The ME displays "CALL 2"	normal font size]
16	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
17	ME → UICC	TERMINAL RESPONSE 4.4.1	by the ME in an appropriate way] [Command performed successfully]
	,	The ME shall not update EF LND with	,,
18	USER → ME	the called party address. The user ends the call after 10 s.	
10	OSLIN - IVIL	The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
20	$ME \to UICC$	SET UP CALL 4.4.1 FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
22	ME o USER	CALL 4.4.1 ME displays "CONFIRMATION 1"	
	INIL → USER	during the user confirmation phase	
23	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with large
24	ME USS	The ME attempts to set up a call to	font size] [second alpha identifier is displayed with
	, , , , ,	"+012340123456".	large font size]
25	$USS \to ME$	The ME displays "CALL 1" The ME receives the CONNECT	The USS also has to handle the START
20	000 → IVIL	message from the USS.	DTMF and STOP DTMF messages sent
20	ME	TERMINIAL RESPONSE 4.4.4	by the ME in an appropriate way]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with	[Command performed successfully]
		the called party address.	
27	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
00		SET UP CALL 4.4.3	
29	$ME \rightarrow UICC$	FETCH	1

30	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.4.3	
31	$ME \rightarrow USER$	ME displays "CONFIRMATION 3" during the user confirmation phase	
32	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with normal font size]
33	ME o USS	The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3"	[second alpha identifier is displayed with normal font size]
34	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
35	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with	[Command performed successfully]
36	$USER \to ME$	the called party address. The user ends the call after 10 s. The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.4.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	04	B4	D0	04	00	06	04	B4		

PROACTIVE COMMAND: SET UP CALL 4.4.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32	D0	04
	00	0E	00	B4	D0	04	00	06	00	B4		

PROACTIVE COMMAND: SET UP CALL 4.4.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85

0E	43	4F	4E	46	49	52	4D	41	54	49	4F
4E	20	33	86	09	91	10	32	04	21	43	65
1C	2C	85	06	43	41	4C	4C	20	33		

TERMINAL RESPONSE: SET UP CALL 4.4.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.13.4.5 SET UP CALL (support of Text Attribute – Small Font Size)

27.22.4.13.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.5.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.5.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the small font size text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.4.5 Method of test

27.22.4.13.4.4.5.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.4.5.2 Procedure

Expected Sequence 4.5 (SET UP CALL, Text Attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
	ME	SET UP CALL 4.5.1	
2	$ME \to UICC$ $UICC \to ME$	FETCH PROACTIVE COMMAND: SET UP	
3	UICC → ME	ICALL 4.5.1	
4	$ME \rightarrow USER$	ME displays "CONFIRMATION 1"	
	, , , , ,	during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with small
	ME LIGO	The ME attempts to get up a cell to	font size]
6	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with small font size]
		The ME displays "CALL 1"	ornali fork olzoj
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
8	ME o UICC	TERMINAL RESPONSE 4.5.1	by the ME in an appropriate way] [Command performed successfully]
0	INIE → UICC	The ME shall not update EF LND with	[Command performed successiony]
		the called party address.	
9	$USER \to ME$	The user ends the call after 10 s.	
40		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.5.2	
11	$ME \to UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 4.5.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2" during the user confirmation phase	
14	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with
	0021 / IVIE	l l l l l l l l l l l l l l l l l l l	normal font size]
15	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456".	normal font size]
16	$USS \to ME$	The ME displays "CALL 2" The ME receives the CONNECT	The USS also has to handle the START
	7 11.12	message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.5.1 The ME shall not update EF LND with	[Command performed successfully]
		the called party address.	
18	$USER \to ME$	The user ends the call after 10 s.	
4.0		The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.5.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		CALL 4.5.1	
22	$ME \rightarrow USER$	ME displays "CONFIRMATION 1"	
23	$USER \to ME$	during the user confirmation phase The user confirms the set up call	[user confirmation is displayed with small
	OOLIK 7 WIL	The deer committee are cet up can	font size]
24	ME USS	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456".	small font size]
25	$USS \to ME$	The ME displays "CALL 1" The ME receives the CONNECT	The USS also has to handle the START
20	000 → IVIL	message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.5.1	[Command performed successfully]
		The ME shall not update EF LND with the called party address.	
27	$USER \to ME$	The user ends the call after 10 s.	
		The ME returns in idle mode.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
29	ME o UICC	SET UP CALL 4.5.3 FETCH	
23	I WIL → UICC	1. 2. 3.1	ı

30	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.5.3	
31	$ME \rightarrow USER$	ME displays "CONFIRMATION 3" during the user confirmation phase	
32	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with normal font size]
33	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3"	[second alpha identifier is displayed with normal font size]
34	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
35	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.5.1 The ME shall not update EF LND with	[Command performed successfully]
36	$USER \to ME$	the called party address. The user ends the call after 10 s. The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.5.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	08	B4	D0	04	00	06	08	B4		

PROACTIVE COMMAND: SET UP CALL 4.5.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32	D0	04
	00	0E	00	B4	D0	04	00	06	00	B4		

PROACTIVE COMMAND: SET UP CALL 4.5.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85

0E	43	4F	4E	46	49	52	4D	41	54	49	4F
4E	20	33	86	09	91	10	32	04	21	43	65
1C	2C	85	06	43	41	4C	4C	20	33		

TERMINAL RESPONSE: SET UP CALL 4.5.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.13.4.6 SET UP CALL (support of Text Attribute – Bold On)

27.22.4.13.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.6.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.6.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the bold text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.6.4 Method of test

27.22.4.13.4.6.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.6.4.2 Procedure

Expected Sequence 4.6 (SET UP CALL, Text Attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
2	$ME \to UICC$	SET UP CALL 4.6.1 FETCH	
3	UICC → ME	PROACTIVE COMMAND: SET UP	
4	ME LIGED	CALL 4.6.1 ME displays "CONFIRMATION 1"	
4	$ME \rightarrow USER$	during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with bold on]
6	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with bold on]
7	$USS \to ME$	The ME displays "CALL 1" The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.6.1 The ME shall not update EF LND with	[Command performed successfully]
9	$USER \to ME$	the called party address. The user ends the call after 10 s. The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.6.2	
11	$ME \to UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.6.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2" during the user confirmation phase	
14	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with bold off]
15	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with bold off]
16	$USS \to ME$	The ME displays "CALL 2" The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.6.1 The ME shall not update EF LND with the called party address.	[Command performed successfully]
18	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.6.1	
20 21	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	FETCH PROACTIVE COMMAND: SET UP	
22	ME → USER	CALL 4.6.1 ME displays "CONFIRMATION 1"	
23	$USER \to ME$	during the user confirmation phase The user confirms the set up call	[user confirmation is displayed with bold
24	ME_USS	The ME attempts to set up a call to	on] [second alpha identifier is displayed with
		"+012340123456". The ME displays "CALL 1"	bold on]
25	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.6.1 The ME shall not update EF LND with the called party address.	[Command performed successfully]
27	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.6.3	
29	$ME \rightarrow UICC$	FETCH	

30	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.6.3	
31	$ME \to USER$	ME displays "CONFIRMATION 3" during the user confirmation phase	
32	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with bold off]
33	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3"	[second alpha identifier is displayed with bold off]
34	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
35	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.6.1 The ME shall not update EF LND with	[Command performed successfully]
36	$USER \to ME$	the called party address. The user ends the call after 10 s. The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.6.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	10	B4	D0	04	00	06	10	B4		

PROACTIVE COMMAND: SET UP CALL 4.6.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32	D0	04
	00	0E	00	B4	D0	04	00	06	00	B4		

PROACTIVE COMMAND: SET UP CALL 4.6.3

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85

0E	43	4F	4E	46	49	52	4D	41	54	49	4F
4E	20	33	86	09	91	10	32	04	21	43	65
1C	2C	85	06	43	41	4C	4C	20	33		

TERMINAL RESPONSE: SET UP CALL 4.6.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.13.4.7 SET UP CALL (support of Text Attribute – Italic On)

27.22.4.13.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.7.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.7.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the italic text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.7.4 Method of test

27.22.4.13.4.7.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.7.4.2 Procedure

Expected Sequence 4.7 (SET UP CALL, Text Attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
2	$ME \to UICC$	SET UP CALL 4.7.1 FETCH	
3	UICC → ME	PROACTIVE COMMAND: SET UP	
4	ME LIGED	CALL 4.7.1 ME displays "CONFIRMATION 1"	
4	$ME \rightarrow USER$	during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with italic on]
6	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with italic on]
7	$USS \to ME$	The ME displays "CALL 1" The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with	[Command performed successfully]
9	$USER \to ME$	the called party address. The user ends the call after 10 s. The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.7.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.7.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2" during the user confirmation phase	
14	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with italic off]
15	ME o USS	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with italic off]
16	$USS \to ME$	The ME displays "CALL 2" The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address.	[Command performed successfully]
18	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.7.1	
20 21	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	FETCH PROACTIVE COMMAND: SET UP	
22	$ME \rightarrow USER$	CALL 4.7.1 ME displays "CONFIRMATION 1"	
23	$USER \to ME$	during the user confirmation phase The user confirms the set up call	[user confirmation is displayed with italic
24	ME_USS	The ME attempts to set up a call to "+012340123456".	on] [second alpha identifier is displayed with italic on]
25	$USS \to ME$	The ME displays "CALL 1" The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent
26	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with	by the ME in an appropriate way] [Command performed successfully]
27	$USER \to ME$	the called party address. The user ends the call after 10 s. The ME returns in idle mode.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.7.3	
29	$ME \rightarrow UICC$	FETCH	

30	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.7.3	
31	$ME \to USER$	ME displays "CONFIRMATION 3" during the user confirmation phase	
32	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with italic off]
33	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3"	[second alpha identifier is displayed with italic off]
34	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
35	$ME \to UICC$	TERMINAL RESPONSE 4.7.1 The ME shall not update EF LND with the called party address.	[Command performed successfully]
36	$USER \to ME$	1	

PROACTIVE COMMAND: SET UP CALL 4.7.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	20	B4	D0	04	00	06	20	B4		

PROACTIVE COMMAND: SET UP CALL 4.7.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32	D0	04
	00	0E	00	B4	D0	04	00	06	00	B4		

PROACTIVE COMMAND: SET UP CALL 4.7.3

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85

0E	43	4F	4E	46	49	52	4D	41	54	49	4F
4E	20	33	86	09	91	10	32	04	21	43	65
1C	2C	85	06	43	41	4C	4C	20	33		

TERMINAL RESPONSE: SET UP CALL 4.7.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.13.4.8 SET UP CALL (support of Text Attribute – Underline On)

27.22.4.13.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.8.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.8.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the underline text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.8.4 Method of test

27.22.4.13.4.8.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.8.4.2 Procedure

Expected Sequence 4.8 (SET UP CALL, Text Attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
	ME	SET UP CALL 4.8.1	
2	$ME \to UICC$ $UICC \to ME$	FETCH PROACTIVE COMMAND: SET UP	
3	UICC → ME	ICALL 4.8.1	
4	$ME \to USER$	ME displays "CONFIRMATION 1"	
		during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with
	ME LIGO	The ME attempts to get up a cell to	underline on]
6	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with underline on]
		The ME displays "CALL 1"	
7	$USS \to ME$	The ME receives the CONNECT	[The USS also has to handle the START
		message from the USS.	DTMF and STOP DTMF messages sent
8	ME LUCC	TERMINAL RESPONSE 4.8.1	by the ME in an appropriate way] [Command performed successfully]
0	$ME \rightarrow UICC$	The ME shall not update EF LND with	[Confinant penomied successibility]
		the called party address.	
9	$USER \to ME$	The user ends the call after 10 s.	
40		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.8.2	
11	$ME \to UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 4.8.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2" during the user confirmation phase	
14	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with
	00211 7 1112	The deer commission of ap can	underline off]
15	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456".	underline off]
16	$USS \to ME$	The ME displays "CALL 2" The ME receives the CONNECT	The USS also has to handle the START
	7 III.2	message from the USS.	DTMF and STOP DTMF messages sent
		TERMINAL RESPONSE 4.9.4	by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.8.1 The ME shall not update EF LND with	[Command performed successfully]
		the called party address.	
18	$USER \to ME$	The user ends the call after 10 s.	
40		The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.8.1	
20	$ME \to UICC$	FETCH	
21	$UICC \rightarrow ME$	PROACTIVE COMMAND: SET UP	
		CALL 4.8.1	
22	$ME \rightarrow USER$	ME displays "CONFIRMATION 1"	
23	$USER \to ME$	during the user confirmation phase The user confirms the set up call	[user confirmation is displayed with
	JOLIK / IVIL	250. 55 2.10 551 4p 54	underline on]
24	ME_USS	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456".	underline on]
25	$USS \to ME$	The ME displays "CALL 1" The ME receives the CONNECT	The USS also has to handle the START
	USS → IVIL	message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.8.1	[Command performed successfully]
		The ME shall not update EF LND with the called party address.	
27	$USER \to ME$	The user ends the call after 10 s.	
		The ME returns in idle mode.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
29	ME o UICC	SET UP CALL 4.8.3 FETCH	
23	I WIL → UICC	1. 2. 0.1	1

30	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.8.3	
31	$ME \rightarrow USER$	ME displays "CONFIRMATION 3" during the user confirmation phase	
32	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with underline off]
33	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3"	[second alpha identifier is displayed with Undeline off]
34	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
35	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.8.1 The ME shall not update EF LND with	[Command performed successfully]
36	$USER \to ME$	the called party address. The user ends the call after 10 s. The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.8.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	40	B4	D0	04	00	06	40	B4		

PROACTIVE COMMAND: SET UP CALL 4.8.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32	D0	04
	00	0E	00	B4	D0	04	00	06	00	B4		

PROACTIVE COMMAND: SET UP CALL 4.8.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85

0E	43	4F	4E	46	49	52	4D	41	54	49	4F
4E	20	33	86	09	91	10	32	04	21	43	65
1C	2C	85	06	43	41	4C	4C	20	33		

TERMINAL RESPONSE: SET UP CALL 4.8.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.13.4.9 SET UP CALL (support of Text Attribute – Strikethrough On)

27.22.4.13.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.9.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.9.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the strikethrough text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.9.4 Method of test

27.22.4.13.4.9.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

27.22.4.13.4.9.4.2 Procedure

Expected Sequence 4.9 (SET UP CALL, Text Attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.9.1	
2	ME → UICC	FETCH	
3	UICC → ME	PROACTIVE COMMAND: SET UP CALL 4.9.1	
4	$ME \to USER$	ME displays "CONFIRMATION 1" during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with strikethrough on]
6	$ME \to USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with strikethrough on]
7	$USS \to ME$	The ME displays "CALL 1" The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.9.1 The ME shall not update EF LND with	by the ME in an appropriate way] [Command performed successfully]
9	$USER \to ME$	the called party address. The user ends the call after 10 s.	
10	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.9.2	
11 12	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	FETCH PROACTIVE COMMAND: SET UP	
13	$ME \rightarrow USER$	CALL 4.9.2 ME displays "CONFIRMATION 2" during the user confirmation phase	
14	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with strikethrough off]
15	ME o USS	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with strikethrough off]
16	$USS \to ME$	The ME displays "CALL 2" The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.9.1 The ME shall not update EF LND with the called party address.	[Command performed successfully]
18	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.9.1	
20 21	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	FETCH PROACTIVE COMMAND: SET UP	
22	$ME \rightarrow USER$	CALL 4.9.1 ME displays "CONFIRMATION 1" during the user confirmation phase	
23	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with strikethrough on]
24	ME_USS	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with strikethrough on]
25	$USS \to ME$	The ME displays "CALL 1" The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.9.1 The ME shall not update EF LND with the called party address.	[Command performed successfully]
27	$USER \to ME$	The user ends the call after 10 s. The ME returns in idle mode.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 4.9.3	
29	$ME \to UICC$	FETCH	

30	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.9.3	
31	$ME \to USER$	ME displays "CONFIRMATION 3" during the user confirmation phase	
32	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with strikethrough off]
33	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456". The ME displays "CALL 3"	[second alpha identifier is displayed with strikethrough off]
34	$USS \to ME$	The ME receives the CONNECT message from the USS.	[The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]
35	$ME \to UICC$	TERMINAL RESPONSE 4.9.1 The ME shall not update EF LND with	[Command performed successfully]
36	$USER \to ME$	the called party address. The user ends the call after 10 s. The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.9.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	80	B4	D0	04	00	06	80	B4		

PROACTIVE COMMAND: SET UP CALL 4.9.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32	D0	04
	00	0E	00	B4	D0	04	00	06	00	B4		

PROACTIVE COMMAND: SET UP CALL 4.9.3

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 3"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 3"

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85

0E	43	4F	4E	46	49	52	4D	41	54	49	4F
4E	20	33	86	09	91	10	32	04	21	43	65
1C	2C	85	06	43	41	4C	4C	20	33		

TERMINAL RESPONSE: SET UP CALL 4.9.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.13.4.10 SET UP CALL (support of Text Attribute – Foreground and Background Colour)

27.22.4.13.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.10.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3, clause 8.70 and clause 5.2.

27.22.4.13.4.10.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the foreground and background colour text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.10.4 Method of test

27.22.4.13.4.10.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and in the updated idle mode on the USS.

27.22.4.13.4.10.4.2 Procedure

Expected Sequence 4.10 (SET UP CALL, Text Attribute – Foreground and Background Colour)

1 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.10.1 FETCH PROACTIVE COMMAND: SET UP CALL 4.10.1 ME → USER USER → ME USER → ME ME → USS ME → USS ME → USS ME → UICC ME → USS ME → UICC ME → USS ME → UICC ME → USS ME → UICC ME → USS ME → UICC ME → UICC ME → USS ME → UICC ME → U	Step	Direction	MESSAGE / Action	Comments
2 ME → UICC → ME PROACTIVE COMMAND: SET UP CALL 4.10.1 4 ME → USER 5 USER → ME 1 WER → WE 1 WER → WE 1 WER → WE 1 WESH → WE 2 USER → ME 3 WE → UICC 4 ME → UICC 5 WE → WE 1 WE → UICC 1 WE → UICC 1 WE → UICC 1 WE → UICC 1 WE → UICC 1 WE → UICC 1 WE → UICC 1 WE → UICC 1 WE → UICC 1 WE → UICC 1 WE → WE 1 WE → UICC 1 WE →	1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
3				
A ME → USER ME → USER ME → USS USER → ME The user confirms the set up call The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. ME → UICC ME → UICC TERMINAL RESPONSE 4.10.1 The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.10.2 ME → USER ME → USER ME → USER ME → USER ME → USER ME → UICC TERMINAL RESPONSE 4.10.1 The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.10.2 ME → USER The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a ca			_	
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6 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. 8 ME → UICC TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.10.2 THE ME displays "CONFIRMATION 2" during the user confirmation phase The user confirms the set up call 15 ME → USS ME → USS ME → USS ME → USER ME → USER ME displays "CONFIRMATION 2" during the user confirmation phase The user confirms the set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME displays "CALL 2" The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.10.1 The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays	_	LICED ME		Lugar confirmation is displayed with
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#+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. ME → UICC ME → UICC UICC → ME 10 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.10.2 FETCH 12 USER → ME ME → USER ME → USER ME → USER ME → USER ME → UICC ME → CALL 4.10.2 ME → USER The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The	6	MF → USS	The ME attempts to set up a call to	
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8 ME → UICC TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. 9 USER → ME 10 UICC → ME 11 ME → UICC 12 UICC → ME 13 ME → USER 14 USER → ME 15 ME → USS 16 USER → ME 16 USS → ME 17 ME → UISC 18 USER → ME 18 USER → ME 18 USER → ME 18 USER → ME 18 USER → ME TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME attempts to set up a call to "+012340123456". The ME displays "CONFIEMATION 2" during the user confirms the set up call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME receives the CONNECT message from the USS. TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s.	7	$USS \to ME$	The ME receives the CONNECT	
8 ME → UICC TREMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. 9 USER → ME The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.10.2 FETCH PROACTIVE COMMAND: SET UP CALL 4.10.2 13 ME → USER ME displays "CONFIRMATION 2" during the user confirmation phase The user confirms the set up call to "+012340123456". The ME displays "CALL 2" 16 USS → ME ME → UICC The ME displays "CALL 2" The ME receives the CONNECT message from the USS. 17 ME → UICC TREMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s.			message from the USS.	
The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.10.2 FETCH PROACTIVE COMMAND: SET UP CALL 4.10.2 ME → USER ME → USER ME → USER ME → USER The user confirmation phase The user confirms the set up call The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 2" The ME receives the CONNECT message from the USS. TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The USER → ME The user ends the call after 10 s. The USER → ME The user ends the call after 10 s. The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME receives the CONNECT message from the USS. TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s.				
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9 USER → ME The user ends the call after 10 s. The ME returns in idle mode. 10 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.10.2 FETCH PROACTIVE COMMAND: SET UP CALL 4.10.2 13 ME → USER ME displays "CONFIRMATION 2" during the user confirmation phase The user confirms the set up call 15 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 2" The ME receives the CONNECT message from the USS. 17 ME → UICC TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s.				
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10 UICC → ME SET UP CALL 4.10.2 11 ME → UICC 12 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.10.2 13 ME → USER 14 USER → ME 15 ME → USS 16 USS → ME 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.10.2 ME displays "CONFIRMATION 2" during the user confirmation phase The user confirms the set up call colour] 15 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 2" The ME receives the CONNECT message from the USS. The ME → UICC TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s.	3	USER → IVIE	The second crisis and second crisis is a	
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12 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.10.2 13 ME → USER ME displays "CONFIRMATION 2" during the user confirmation phase 14 USER → ME The user confirms the set up call 15 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 2" 16 USS → ME The ME receives the CONNECT message from the USS. 17 ME → UICC TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. 18 USER → ME The user ends the call after 10 s. PROACTIVE COMMAND: SET UP CALL 4.10.2 [user confirmation is displayed with ME"s default foreground and background colour] [second alpha identifier is displayed with ME"s default foreground and background colour] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] [Command performed successfully]		0.00 /		
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 ME → USER	12	$UICC \to ME$		
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15 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME receives the CONNECT message from the USS. TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The ME attempts to set up a call to "colour] [second alpha identifier is displayed with ME"s default foreground and background colour] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] [Command performed successfully]	14	USER → ME	The user confirms the set up call	
15 ME → USS The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2" The ME receives the CONNECT message from the USS. TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The ME attempts to set up a call to [second alpha identifier is displayed with ME"s default foreground and background colour] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] [Command performed successfully]				
"+012340123456". The ME displays "CALL 2" The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The ME of the ME in an appropriate way] [Command performed successfully]	15	MF → USS	The MF attempts to set up a call to	
The ME displays "CALL 2" The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The ME displays "CALL 2" [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] [Command performed successfully]		WE 7 000		
message from the USS. DTMF and STOP DTMF messages sent by the ME in an appropriate way] TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s.				
by the ME in an appropriate way] TERMINAL RESPONSE 4.10.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s.	16	$USS \to ME$	The ME receives the CONNECT	
17 ME → UICC TERMINAL RESPONSE 4.10.1 [Command performed successfully] The ME shall not update EF LND with the called party address. 18 USER → ME The user ends the call after 10 s.			message from the USS.	
The ME shall not update EF LND with the called party address. 18 USER → ME The user ends the call after 10 s.				
the called party address. 18 USER → ME The user ends the call after 10 s.	17	$ME \rightarrow UICC$		[Command performed successfully]
18 USER → ME The user ends the call after 10 s.				
	12	LISER \ ME		
THE ME TENTE THOUGHOUS.	10	OSEN - IVIE	The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 4.10.1

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 1"

Text Attribute (user confirmation phase)

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Text Attribute (call set up phase)

Formatting position: 0 Formatting length: 6

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Bright Yellow Foreground, Dark Green Background

Coding:

BER-TLV:	D0	38	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	31	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	31	D0	04
	00	0E	00	B4	D0	04	00	06	00	4B		

PROACTIVE COMMAND: SET UP CALL 4.10.2

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: UICC
Destination device: Network

Alpha identifier: "CONFIRMATION 2"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456p1p2"

Alpha Identifier (call set up phase): "CALL 2"

Coding:

BER-TLV:	D0	2C	81	03	01	10	00	82	02	81	83	85
	0E	43	4F	4E	46	49	52	4D	41	54	49	4F
	4E	20	32	86	09	91	10	32	04	21	43	65
	1C	2C	85	06	43	41	4C	4C	20	32		

TERMINAL RESPONSE: SET UP CALL 4.10.1

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: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.13.5 SET UP CALL (UCS2 Display in *Cyrillic*)

27.22.4.13.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.5.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3 and clause 5.2.

The ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [17].

27.22.4.13.5.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.5.4 Method of test

27.22.4.13.5.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM 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 USS.

27.22.4.13.5.4.2 Procedure

Expected Sequence 5.1 (SET UP CALL with UCS2 – Cyrillic Characters, call confirmed by the user and connected)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET	
		UP CALL 5.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL	
		5.1.1	
4	$ME \to USER$		["ЗДРАВСТВУЙТЕ": 'Hello' in
		user confirmation phase.	Russian]
5	$USER \to ME$	The user confirms the call set up	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	
		"+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT message	
		from the USS.	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 5.1.1	[Command performed successfully]
		The ME shall not update EF LND with the	
		called party address.	
9	$USER \to ME$	The user ends the call after 5 s.	
		The ME returns to idle mode.	

PROACTIVE COMMAND: SET UP CALL 5.1.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Coding:

BER-TLV:	D0	2D	81	03	01	10	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	86	07	91	10	32	04	21	43	65	

TERMINAL RESPONSE: SET UP CALL 5.1.1

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: UICC 437

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 5.2 (SET UP CALL, two alpha identifiers coded in UCS2 - Cyrillic Characters)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 5.2.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 5.2.1	
4	$ME \to USER$	ME displays "ЗДРАВСТВУЙТЕ1" during	['ЗДРАВСТВУЙТЕ1' : 'Hello1' in
		the user confirmation phase	Russian]
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier]
		"+012340123456".	['ЗДРАВСТВУЙТЕ2' : 'Hello2' in
		1 7 11	Russian]
7	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 5.2.1	[Command performed successfully]
		The ME shall not update EF LND with	
		the called party address.	
9	USER \rightarrow ME	The user ends the call after 5 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 5.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "ЗДРАВСТВУЙТЕ1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456" Alpha Identifier (call set up phase): "ЗДРАВСТВУЙТЕ2"

BER-TLV:	D0	4C	81	03	01	10	00	82	02	81	83	85
	1B	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	00	31	86	07	91	10	32	04	21	43
	65	85	1B	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	00	32						

TERMINAL RESPONSE: SET UP CALL 5.2.1

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: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.5.5 Test requirement

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

27.22.4.13.6 SET UP CALL (UCS2 Display in Chinese)

27.22.4.13.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.6.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3 and clause 5.2.

The ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in:

ISO/IEC 10646 [17].

27.22.4.13.6.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.6.4 Method of test

27.22.4.13.6.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM 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 USS.

27.22.4.13.6.4.2 Procedure

Expected Sequence 6.1 (SET UP CALL with UCS2 – Chinese characters, call confirmed by the user and connected)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET	
		UP CALL 6.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL	
		6.1.1	
4	$ME \rightarrow USER$	ME displays "不忙" during user confirmation	['不忙' : 'Not Busy' in Chinese]
		phase.	
5	$USER \to ME$	1.	[user confirmation]
6		The ME attempts to set up a call to	
		"+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT message	
		from the USS.	
8	$ME \to UICC$	TERMINAL RESPONSE 6.1.1	[Command performed successfully]
		The ME shall not update EF LND with the	
		called party address.	
9	$USER \to ME$	The user ends the call after 5 s.	
		The ME returns to idle mode.	

PROACTIVE COMMAND: SET UP CALL 6.1.1

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: UICC
Destination device: Network
Alpha identifier: "不忙"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Coding:

BER-TLV:	D0	19	81	03	01	10	00	82	02	81	83	85
	05	80	4E	0D	5F	D9	86	07	91	10	32	04
	21	43	65									

TERMINAL RESPONSE: SET UP CALL 6.1.1

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: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 6.2 (SET UP CALL, two alpha identifiers coded in UCS2 – Chinese characters)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 6.2.1	
3	11.12 / 0.00	FETCH PROACTIVE COMMAND: SET UP CALL 6.2.1	
4	$ME \rightarrow USER$	ME displays "确定" during the user confirmation phase	['确定' : 'Confirmation' in Chinese]
5 6	USER → ME ME → USS	The user confirms the set up call The ME attempts to set up a call to "+012340123456".	[user confirmation] [second alpha identifier] ['打电话' : 'CALL' in Chinese]
7	$USS \to ME$	The ME displays "打电话" The ME receives the CONNECT message from the USS.	
8	, w.e. / 6.66	TERMINAL RESPONSE 6.2.1 The ME shall not update EF LND with the called party address.	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 5 s. The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 6.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC Destination device: Network Alpha identifier: "确定"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Alpha Identifier (call set up phase): "打电话"

Coding:

BER-TLV:	D0	22	81	03	01	10	00	82	02	81	83	85
	05	80	78	6E	5B	9A	86	07	91	10	32	04
	21	43	65	85	07	80	62	53	75	35	8B	DD

TERMINAL RESPONSE: SET UP CALL 6.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.6.5 Test requirement

The ME shall operate in the manner defined in expected sequences 6.1 to 6.2.

27.22.4.13.7 SET UP CALL (UCS2 Display in Katakana)

27.22.4.13.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.7.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.13, clause 6.6.12, clause 8.6, clause 8.7, clause 8.12, clause 8.12.3 and clause 5.2.

The ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in:

- ISO/IEC 10646 [17].

27.22.4.13.7.3 Test purpose

To verify that the ME accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.7.4 Method of test

27.22.4.13.7.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM 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 USS.

27.22.4.13.7.4.2 Procedure

Expected Sequence 7.1 (SET UP CALL with UCS2 – Katakana characters, call confirmed by the user and connected)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET	
		UP CALL 7.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL	
		7.1.1	
4	$ME \rightarrow USER$	ME displays "ル" during user confirmation	[Character in Katakana]
		phase.	
5	$USER \to ME$	The user confirms the call set up	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	-
		"+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT message	
		from the USS.	
8	$ME \to UICC$	TERMINAL RESPONSE 7.1.1	[Command performed successfully]
		The ME shall not update EF LND with the	
		called party address.	
9	$USER \to ME$	The user ends the call after 5 s.	
		The ME returns to idle mode.	

PROACTIVE COMMAND: SET UP CALL 7.1.1

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: UICC Destination device: Network Alpha identifier: " $\mbox{$\mbox{$\mbox{$\mathcal{V}$}$}$}$ "

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Coding:

BER-TLV:	D0	17	81	03	01	10	00	82	02	81	83	85
	03	80	30	EB	86	07	91	10	32	04	21	43
	65											

TERMINAL RESPONSE: SET UP CALL 7.1.1

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: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 7.2 (SET UP CALL, two alpha identifiers coded in UCS2 - Katakana characters)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 7.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 7.2.1	
4	$ME \rightarrow USER$	ME displays "ル1" during the user	[Character in Katakana]
		confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier]
		"+012340123456".	[Character in Katakana]
		The ME displays "ル2".	
7	$USS \to ME$	The ME receives the CONNECT	
8	ME → UICC	message from the USS. ITERMINAL RESPONSE 7.2.1	[Command performed successfully]
	IVIL -> OICC	The ME shall not update EF LND with	[Command performed successiony]
		the called party address.	
9	USER \rightarrow ME	The user ends the call after 5 s.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: SET UP CALL 7.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "ル1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Alpha Identifier (call set up phase): "ル2"

Coding:

BER-TLV:	D0	20	81	03	01	10	00	82	02	81	83	85
	05	80	30	EB	00	31	86	07	91	10	32	04
	21	43	65	85	05	80	30	EB	00	32		

TERMINAL RESPONSE: SET UP CALL 7.2.1

Logically:

Command details

Command number:

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.13.7.5 Test requirement

The ME shall operate in the manner defined in expected sequences 7.1 to 7.2.

27.22.4.14 POLLING OFF

27.22.4.14.1 Definition and applicability

See clause 3.2.2.

27.22.4.14.2 Conformance requirement

The ME shall support the POLLING OFF as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.14, clause 6.6.14, clause 6.8, clause 6.11, clause 8.6 and clause 8.7.

27.22.4.14.3 Test purpose

To verify that the ME cancels the effect of any previous POLL INTERVAL commands and does not effect UICC presence detection.

27.22.4.14.4 Method of test

27.22.4.14.4.1 Initial conditions

The ME is connected to the USIM Simulator and to the USS.

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

27.22.4.14.4.2 Procedure

Expected Sequence 1.1 (POLLING OFF)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: POLL INTERVAL	
		1.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	Interval = 1 min
		POLL INTERVAL 1.1.1	
4	$ME \to UICC$	TERMINAL RESPONSE: POLL	[command performed successfully, duration
		INTERVAL 1.1.1 A or	depends on the ME"s capabilities]
		TERMINAL RESPONSE: POLL	
		INTERVAL 1.1.1B	
5	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: POLLING OFF	
		1.1.2	
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND:	
		POLLING OFF 1.1.2	
8	$ME \rightarrow UICC$		[command performed successfully]
		POLLING OFF 1.1.2	
9	$USER \to ME$	Call to be set up	
10	$ME \to UICC$	Periods of inactivity on the	
		UICC-ME interfaceshall not	
		exceed 30 seconds	
11	$USER \to ME$	Call to be terminated 3 minutes	
		after call setup	

PROACTIVE COMMAND: POLL INTERVAL 1.1.1

Logically:

Command details

Command number:

Command type: POLL INTERVAL

Command qualifier: "00"

Device identities

Source device: UICC 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: UICC

Result

General Result: Command performed successfully

Duration

Time unit: Minutes Time interval:

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:

Command type: POLL INTERVAL

Command qualifier: "00"

Device identities

ME Source device: Destination device: **UICC**

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								

If the requested poll interval is not supported by the ME, the ME is allowed to use a different one as stated in TS 31.111 [15], subclause 6.4.6.

PROACTIVE COMMAND: POLLING OFF 1.1.2

Logically:

Command details

Command number:

Command type: POLLING OFF

Command qualifier: "00"

Device identities

Source device: **UICC** Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	04	00	82	02	81	82

TERMINAL RESPONSE: POLLING OFF 1.1.2

Logically:

Command details

Command number:

Command type: POLLING OFF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.14.5 Test requirement

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

27.22.4.15 PROVIDE LOCAL INFORMATION

27.22.4.15.1 Definition and applicability

See clause 3.2.2.

27.22.4.15.2 Conformance requirement

The ME shall support the PROVIDE LOCAL INFORMATION facility as defined in:

- TS 31.111 [15] clause 6.4.15.

27.22.4.15.3 Test purpose

To verify that the ME returns the following requested local information within a TERMINAL RESPONSE:

- location information:
 - Mobile Country Code (MCC);
 - Mobile Network Code (MNC);
 - Location Area Code (LAC); and
 - cell ID of the current serving cell;
- the IMEI of the ME;
- the Network Measurement Results and the BCCH channel list;
- the current date, time and time zone;
- the current ME language setting;
- the Timing Advance;
- the Access Technology;
- the IMEISV
- the Search Mode change
- the Battery charge State

- the UTRAN measurements.

if the local information is stored in the ME; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE.

27.22.4.15.4 Method of tests

27.22.4.15.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME is connected to the USS and has performed the location update procedure.

The UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;

The GERAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;
- Timing advance = 0;
- Neighbour allocations = 561, 565, 568, 569, 573, 575, 577, 581, 582 and 585.

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;
- Timing advance = 0;
- Neighbour allocations = 561, 565, 568, 569, 573, 575, 577, 581, 582 and 585.

The elementary files are coded as the USIM Application Toolkit default.

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

Expected sequence 1.3 and 1.6 shall be used on a USS setting up only a GERAN or PCS 1900 cell and expected sequence 1.12 shall be used on a USS setting up only a UTRAN cell.

27.22.4.15.4.2 Procedure

Expected Sequence 1.1 (PROVIDE LOCAL INFORMATION, Local Info (MCC, MNC, LAC & Cell ID))

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		PROVIDE LOCAL INFORMATION	
		1.1.1	
4	$ME \rightarrow UICC$		[Command performed successfully, MCC MNC LAC
		PROVIDE LOCAL INFORMATION	and Cell Identity as USS, option A shall apply for
			3GPP parameters]
			[Command performed successfully, MCC MNC LAC
		TERMINAL RESPONSE:	and Cell Identity as USS, option B shall apply for
		PROVIDE LOCAL INFORMATION	PCS1900 parameters]
		1.1.1B	

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "00" Location information (MCC MNC LAC and Cell Identity)

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	26	00	82	02	81	82

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.1.1A

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "00" Location information (MCC MNC LAC and Cell Identity)

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Location Information

MCC & MNC: MCC = 001, MNC = 01

Location Area Code: 0001 Cell Identity Value: 0001

Extended Cell Identity Value: RNC-id value (for Rel-4 onwards), see also Note 2

BER- TLV:	81	03	01	26	00	82	02	82	81	83	01	00
	93	Note 1	00	F1	10	00	01	00	01	Note 2		

Note 1: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 2: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.1.1B

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "00" Location information (MCC MNC LAC and Cell Identity)

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Location Information

MCC & MNC: MCC = 001, MNC = 011

Location Area Code: 0001 Cell Identity Value: 0001

Coding:

BER-TLV:	81	03	01	26	00	82	02	82	81	83	01	00
	93	07	00	11	10	00	01	00	01			

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

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	Identity request	[Identity type = IMEI]
2	$ME \to USS$	Identity response	[Mobile identity = IMEI]
3	$UICC \to ME$	PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.2.1	
4	$ME \rightarrow UICC$	FETCH	
5	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.2.1	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.2.1	[Command performed successfully, IMEI as USS, but spare digit shall be zero when transmitted by the ME]

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.2.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Oualifier: "01" IMEI of the ME

Device identities

Source device: UICC Destination device: ME

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:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "01" IMEI of the ME

Device identities

Source device: ME
Destination device: UICC

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 as declared in table A.2/23.

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			

Expected Sequence 1.3 (PROVIDE LOCAL INFORMATION, Network Measurement Results (NMR))

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		PROVIDE LOCAL INFORMATION	
		1.3.1	
4	$ME \to UICC$	TERMINAL RESPONSE:	[Command performed successfully,
		PROVIDE LOCAL INFORMATION	NMR as USS]
		1.3.1	

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.3.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC Destination device: ME

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

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.3.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Network Measurement Results RXLEV-FULL-SERVING-CELL=52, BA not used, DTX not used, as

an example in the BER-TLV)

BCCH channel list 561, 565, 568, 569, 573, 575, 577, 581, 582 and 585

Coding:

BER-TLV:	81	03	01	26	02	82	02	82	81	83	01	00
	96	10	34	34	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	9D	0D	8C	63	58	E2
	39	8F	63	F9	06	45	91	A4	90			

Expected Sequence 1.4 (PROVIDE LOCAL INFORMATION, Date, Time, Time Zone)

See ETSI TS 102 384 [26] in subclause 27.22.4.15.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (PROVIDE LOCAL INFORMATION, Language setting)

See ETSI TS 102 384 [26] in subclause 27.22.4.15.4.2, Expected Sequence 1.5.

Expected Sequence 1.6 (PROVIDE LOCAL INFORMATION, Timing advance)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING	
		PROVIDE LOCAL INFORMATION 1.6.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE	
		LOCAL INFORMATION 1.6.1	
4	$ME \to UICC$	TERMINAL RESPONSE: PROVIDE	[Command performed successfully]
		LOCAL INFORMATION 1.6.1	-

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.6.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "05" Timing Advance

Device identities

Source device: UICC Destination device: ME

BER-TLV:	D0	09	81	03	01	26	05	82	02	81	82

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.6.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "05" Timing Advance

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Timing Advance 2 bytes

ME status: "00" ME is in idle state

Timing Advance: 0

Coding:

BER-TLV:	81	03	01	26	05	82	02	82	81	83	01	00
	AE	02	00	00								

Expected Sequence 1.7 (PROVIDE LOCAL INFORMATION, Access Technology

TBD

Expected Sequence 1.8 (Void)

Expected Sequence 1.9 (PROVIDE LOCAL INFORMATION, IMEISV of the terminal)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	Identity request	[Identity type = IMEISV]
2	$ME \rightarrow USS$	Identity response	[Mobile identity = IMEISV]
3	$UICC \to ME$	PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.9.1	
4 5	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	FETCH PROACTIVE COMMAND: PROVIDE LOCAL	
6	ME → UICC	INFORMATION 1.9.1 TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.9.1	[Command performed successfully, IMEISV] as USS

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.9.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "08" IMEISV of the ME

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	26	80	82	02	81	82

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.9.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "08" IMEISV of the ME

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

IMEISV

IMEISV of the ME: The IMEISV of the ME

The result coding depends on the ME IMEISV value as declared in table A.2/24.

Coding:

BER-TLV:	81	03	01	26	80	82	02	82	81	83	01	00
	E2	09	XX	XX	XX	XX	XX	XX	XX	XX	XX	

Expected Sequence 1.10 (PROVIDE LOCAL INFORMATION, Search Mode Change)

TBD

Expected Sequence 1.11 (PROVIDE LOCAL INFORMATION, charge state of the battery)

See ETSI TS 102 384 [26] in subclause 27.22.4.15.4.2, Expected Sequence 1.11.

Expected Sequence 1.12 (PROVIDE LOCAL INFORMATION, UTRAN Measurements)

TBD

27.22.4.15.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.12.

27.22.4.16 SET UP EVENT LIST

27.22.4.16.1 SET UP EVENT LIST (normal)

27.22.4.16.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.16.1.2 Conformance requirement

The ME shall support the Proactive UICC: Set Up Event List facility as defined in:

- TS 31.111 [15] clause 6.4.16 and clause 6.6.16.

Additionally the ME shall support the Event Download: Call Connect and the Event Download: Call Disconnected mechanism as defined in:

- TS 31.111 [15] clause 11.2, clause 11.2.1, clause 11.2.2, clause 11.3, clause 11.3.1 and clause 11.3.2.

27.22.4.16.1.3 Test purpose

To verify that the ME accepts a list of events that it shall monitor the current list of events supplied by the UICC, is able to have this current list of events replaced and is able to have the list of events removed.

To verify that when the ME has successfully accepted or removed the list of events, it shall send TERMINAL RESPONSE (OK) to the UICC and when the ME is not able to successfully accept or remove the list of events, it shall send TERMINAL RESPONSE (Command beyond ME's capabilities).

27.22.4.16.1.4 Method of test

27.22.4.16.1.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

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

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

27.22.4.16.1.4.2 Procedure

Expected Sequence 1.1 (SET UP EVENT LIST, Set Up Call Connect Event)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP	
		EVENT LIST 1.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT	
		LIST 1.1.1	
4	$ME \to UICC$	TERMINAL RESPONSE: SET UP EVENT	
		LIST 1.1.1	
5	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
6	$USS \to ME$	SETUP 1.1.1	[Incoming call alert]
7	$USER \to ME$	User shall accept the incoming call	
8	$ME \to USS$	CONNECT 1.1.1	
9	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD CALL	[Call Connected Event]
		CONNECTED 1.1.1	-
10	$UICC \to ME$	PROACTIVE UICC 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: UICC
Destination device: ME

Event list

Event 1: Call Connected

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

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

SET UP 1.1.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)

Address

TON: "Unknown"

NPI: "ISDN/ telephone numbering plan"

Dialling number string: "9876"

CONNECT 1.1.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

ENVELOPE: EVENT DOWNLOAD CALL CONNECTED 1.1.1

Logically

Event list

Event 1: Call Connected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

BER-TLV:	D6	0A	99	01	01	82	02	82	81	9C	01	80

Expected Sequence 1.2 (SET UP EVENT LIST, Replace Event)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
_		1.2.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$		[Call Connected and Call Disconnected
4	ME IIIOO	EVENT LIST 1.2.1	Events]
4	ME → UICC	TERMINAL RESPONSE: SET UP EVENT LIST 1.2.1	
5	LIICC → ME	PROACTIVE COMMAND	
	OIOO IVIL	PENDING: SET UP EVENT LIST	
		1.2.2	
6	$ME \to UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[Call Disconnected Event]
		EVENT LIST 1.2.2	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
		EVENT LIST 1.2.2	
9	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
10	$USS \to ME$	SETUP 1.2.2	[Incoming call alert]
11		User shall accept the incoming call	[incoming can alert]
12		CONNECT 1.2.2	
13		DISCONNECT 1.2.2	
14	ME → UICC	ENVELOPE: EVENT DOWNLOAD	[Call Disconnect Event]
	/ 0.00	CALL DISCONNECT 1.2.2A	[Cam 2 local most 2 vol.n.]
		or	
		ENVELOPE: EVENT DOWNLOAD	
		CALL DISCONNECT 1.2.2B	
15	$UICC \to ME$		
		ENDED	

PROACTIVE COMMAND: SET UP EVENT LIST 1.2.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Connected Event 2: Call Disconnected

Coding:

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

TERMINAL RESPONSE: SET UP EVENT LIST 1.2.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

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 EVENT LIST 1.2.2

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Call Disconnected

Coding:

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

TERMINAL RESPONSE: SET UP EVENT LIST 1.2.2

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

SET UP 1.2.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Address

TON: "Unknown"

NPI: "ISDN/ telephone numbering plan"

Dialling number string: "9876"

CONNECT 1.2.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

DISCONNECT 1.2.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

ENVELOPE: EVENT DOWNLOAD CALL DISCONNECTED 1.2.2A

Logically:

Event list

Event 1: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

Coding:

BER-TLV:	D6	0E	99	01	02	82	02	83	81	9C	01	00
	9A	02	60	90								

ENVELOPE: EVENT DOWNLOAD CALL DISCONNECTED 1.2.2B

Logically:

Event list

Event 1: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

BER-TLV:	D6	0E	99	01	02	82	02	83	81	9C	01	00
	9A	02	E0	90								

Expected Sequence 1.3 (SET UP EVENT LIST, Remove Event)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
		1.3.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[Call Connected Event]
		EVENT LIST 1.3.1	
	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
		EVENT LIST 1.3.1	
4	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
5	ME LUCC	1.3.2	
	ME → UICC		[Damaya Eyant]
6	UICC → ME	PROACTIVE COMMAND: SET UP EVENT LIST 1.3.2	[Remove Event]
7	ME LUCC	TERMINAL RESPONSE: SET UP	
'	INIE → OICC	EVENT LIST 1.3.2	
8	UICC → ME	PROACTIVE UICC SESSION	
	OIOO / IVIL	ENDED	
10	$USS \to ME$	SETUP 1.3.2	[Incoming call alert]
11		User shall accept the incoming call	
12		CONNECT 1.3.2	
13		No ENVELOPE: EVENT	
		DOWNLOAD (call connected) sent	
14	$USS \to ME$	DISCONNECT 1.3.2	

PROACTIVE COMMAND: SET UP EVENT LIST 1.3.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC 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 1.3.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

PROACTIVE COMMAND: SET UP EVENT LIST 1.3.2

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC
Destination device: ME
Event list: Empty

Coding:

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

TERMINAL RESPONSE: SET UP EVENT LIST 1.3.2

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

SET UP 1.3.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Address

TON: "Unknown"

NPI: "ISDN/ telephone numbering plan"

Dialling number string: "9876"

CONNECT 1.3.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

DISCONNECT 1.3.2

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

Expected Sequence 1.4 (SET UP EVENT LIST, Remove Event on ME Power Cycle)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
		1.4.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[Call Connected Event]
		EVENT LIST 1.4.1	
	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
		EVENT LIST 1.4.1	
4	$UICC \to ME$	PROACTIVE UICC SESSION	
_		ENDED	
5	000i / iiiL	Power off ME	
6		Power on ME	
7		SETUP 1.4.1	[Incoming call alert]
8		User shall accept the incoming call	
9		CONNECT 1.4.1	
10	$ME \rightarrow UICC$	No ENVELOPE: EVENT	
		DOWNLOAD (call connected) sent	
11	$USS \to ME$	DISCONNECT 1.4.1	

PROACTIVE COMMAND: SET UP EVENT LIST 1.4.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC 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 1.4.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

SET UP 1.4.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Address

TON: "Unknown"

NPI: "ISDN/ telephone numbering plan"

Dialling number string: "9876"

CONNECT 1.4.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

DISCONNECT 1.4.1

Logically:

Transaction identifier

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause

Value: Normal call clearing

27.22.4.16.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.4.

27.22.4.17 PERFORM CARD APDU

27.22.4.17.1 PERFORM CARD APDU (normal)

27.22.4.17.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.17.1.2 Conformance requirement

The ME shall support the Proactive UICC: Perform Card APDU facility as defined in:

- TS 31.111 [15] clause 6.1, clause 5.2, clause 6.4.17, clause 6.6.17, clause 6.8, clause 8.6, clause 8.7, clause 8.35, clause 8.36 and clause 8.12.9.

Additionally the ME shall support multiple card operation as defined in:

- TS 31.111 [15] clause 6.4.19, clause 6.6.19, clause 6.4.18 and clause 6.6.18.

27.22.4.17.1.3 Test purpose

To verify that the ME sends an APDU command to the additional card identified in the PERFORM CARD APDU proactive UICC command, and successfully returns the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

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The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

In this particular case a special Test-SIM (TestSIM) with T=0 protocol is chosen as additional card for the additional ME card reader (for coding of the TestSIM see annex A).

27.22.4.17.1.4 Method of test

27.22.4.17.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The TestSIM is inserted in the additional ME card reader.

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.

The elementary files of the TestSIM are coded as defined in annex A. Another card with different parameters may be used as TestSIM to execute these tests. In this case the USIM Simulator shall take into account the corresponding response data.

27.22.4.17.1.4.2 Procedure

Expected Sequence 1.1 (PERFORM CARD APDU, card reader 1, additional card inserted, Select MF and Get Response)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (PERFORM CARD APDU, card reader 1, additional card inserted, Select DF GSM, Select EF PLMN, Update Binary, Read Binary on EF PLMN)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (PERFORM CARD APDU, card reader 1, card inserted, card powered off)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.3.

Expected Sequence 1.4 (PERFORM CARD APDU, card reader 1, no card inserted)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.4.

Expected Sequence 1.5 (PERFORM CARD APDU, card reader 7 (which is not the valid card reader identifier of the additional ME card reader))

See ETSI TS 102 384 [26] in subclause 27.22.4.17.1.4.2, Expected Sequence 1.5.

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 PERFORM CARD APDU (detachable card reader)

27.22.4.17.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.17.2.2 Conformance requirement

27.22.4.17.2.3 Test purpose

To verify that the ME sends an APDU command to the additional card identified in the PERFORM CARD APDU proactive UICC command, and successfully returns the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

27.22.4.17.2.4 Method of test

27.22.4.17.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

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

The card reader shall be detached from the ME.

27.22.4.17.2.4.2 Procedure

Expected Sequence 2.1 (PERFORM CARD APDU, card reader 1, card reader detached)

See ETSI TS 102 384 [26] in subclause 27.22.4.17.2.4.2, Expected Sequence 2.1.

27.22.4.17.2.5 Test requirement

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

27.22.4.18 POWER OFF CARD

27.22.4.18.1 POWER OFF CARD (normal)

27.22.4.18.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.18.1.2 Conformance requirement

The ME shall support the Proactive UICC: Power Off Card facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.18, clause 6.6.18, clause 8.6, clause 8.7, clause 8.12, clause 8.12.9, clause 5.2 and annex H.

27.22.4.18.1.3 Test purpose

To verify that the ME closes a session with the additional card identified in the POWER OFF CARD proactive UICC command, and successfully returns result in the TERMINAL RESPONSE command send to the UICC.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

27.22.4.18.1.4 Method of test

27.22.4.18.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME card reader is connected to aSIM Simulator (SIM2). Instead of a SIM Simulator a card with different parameters may be used as SIM2 to execute these tests. In this case the USIM Simulator shall take into account the corresponding response data.

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 SIM Simulator (SIM2).

27.22.4.18.1.4.2 Procedure

Expected Sequence 1.1 (POWER OFF CARD, card reader 1)

See ETSI TS 102 384 [26] in subclause 27.22.4.18.1.4.2, Expected Sequence 1.1.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.18.1.4.2, Expected Sequence 1.2.

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 POWER OFF CARD (detachable card reader)

27.22.4.18.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.18.2.2 Conformance requirement

Void.

27.22.4.18.2.3 Test purpose

To verify that the ME closes a session with the additional card identified in the POWER OFF CARD proactive UICC command, and successfully returns result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.18.2.4 Method of test

27.22.4.18.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME card reader is connected to a SIM Simulator (SIM2).

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 SIM Simulator (SIM2).

The card reader shall be detached from the ME.

27.22.4.18.2.4.2 Procedure

Expected Sequence 2.1 (POWER OFF CARD, card reader 1, no card reader attached)

See ETSI TS 102 384 [26] in subclause 27.22.4.18.2.4.2, Expected Sequence 2.1.

27.22.4.18.2.5 Test requirement

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

27.22.4.19 POWER ON CARD

27.22.4.19.1 POWER ON CARD (normal)

27.22.4.19.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.19.1.2 Conformance requirement

The ME shall support the Proactive UICC: Power On Card facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.19, clause 6.6.19, clause 8.6, clause 8.7, clause 8.12, clause 8.12.9, clause 8.34, clause 5.2 and annex H.

27.22.4.19.1.3 Test purpose

To verify that the ME starts a session with the additional card identified in the POWER ON CARD proactive UICC command, and successfully returns the Answer To Reset within the TERMINAL RESPONSE command send to the UICC.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

27.22.4.19.1.4 Method of test

27.22.4.19.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME card reader is connected to a SIM Simulator (SIM2). Instead of the SIM Simulator a card with different parameters may be used as SIM2 to execute these tests. In this case the USIM Simulator shall take into account the corresponding response data.

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.

27.22.4.19.1.4.2 Procedure

Expected Sequence 1.1 (POWER ON CARD, card reader 1)

See ETSI TS 102 384 [26] in subclause 27.22.4.19.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (POWER ON CARD, card reader 1, no ATR)

See ETSI TS 102 384 [26] in subclause 27.22.4.19.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (POWER ON CARD, card reader 1, no card inserted)

See ETSI TS 102 384 [26] in subclause 27.22.4.19.1.4.2, Expected Sequence 1.3.

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 POWER ON CARD (detachable card reader)

27.22.4.19.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.19.2.2 Conformance requirement

27.22.4.19.2.3 Test purpose

To verify that the ME starts a session with the additional card identified in the POWER ON CARD proactive UICC command, and successfully returns the Answer To Reset within the TERMINAL RESPONSE command send to the UICC.

27.22.4.19.2.4 Method of test

27.22.4.19.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 card reader shall be detached from the ME.

27.22.4.19.2.4.2 Procedure

Expected Sequence 2.1 (POWER ON CARD, card reader 1, no card reader attached)

See ETSI TS 102 384 [26] in subclause 27.22.4.19.2.4.2, Expected Sequence 2.1.

27.22.4.19.2.5 Test requirement

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

27.22.4.20 GET READER STATUS

27.22.4.20.1 GET READER STATUS (normal)

27.22.4.20.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.20.1.2 Conformance requirement

The ME shall support the Proactive UICC: Get Card Reader Status facility as defined in:

- TS 31.111 [15] clause 6.1, clause 5.2, clause 6.4.20, clause 6.6.20, clause 6.8, clause 8.6, clause 8.7, clause 8.33, clause 8.57 and annex H.

Additionally the ME shall support multiple card operation as defined in:

- TS 31.111 [15] clause 6.4.19, clause 6.6.19, clause 6.4.18 and clause 6.6.18.

27.22.4.20.1.3 Test purpose

To verify that the ME sends starts a session with the additional card identified in the GET CARD READER STATUS proactive UICC command, and successfully returns information about all interfaces to additional card reader(s) in the TERMINAL RESPONSE command send to the UICC.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

In this test case the SIM-Simulator (SIM2) shall response with the ATR "3B 00".

27.22.4.20.1.4 Method of test

27.22.4.20.1.4.1 Initial conditions

The ME shall support the Proactive UICC: Get Card Reader Status (Card Reader Status) facility. The ME is connected to the USIM Simulator.

The ME card reader is connected to a SIM Simulator (SIM2). Instead of the SIM Simulator a card with different parameters may be used as SIM2 to execute these tests. In this case the USIM Simulator shall take into account the corresponding response data.

The elementary files are coded as USIM Application Toolkit default.

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 SIM Simulator (SIM2).

27.22.4.20.1.4.2 Procedure

Expected Sequence 1.1 (GET CARD READER STATUS, card reader 1, card inserted, card powered)

See ETSI TS 102 384 [26] in subclause 27.22.4.20.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (GET CARD READER STATUS, card reader 1, card inserted, card not powered)

See ETSI TS 102 384 [26] in subclause 27.22.4.20.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (GET CARD READER STATUS, card reader 1, card not present)

See ETSI TS 102 384 [26] in subclause 27.22.4.20.1.4.2, Expected Sequence 1.3.

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 GET CARD READER STATUS (detachable card reader)

27.22.4.20.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.20.2.2 Conformance requirement

Void.

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27.22.4.20.2.3 Test purpose

To verify that the ME closes a session with the additional card identified in the GET CARD READER STATUS proactive UICC command, and successfully returns result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.20.2.4 Method of test

27.22.4.20.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM Application Toolkit default.

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 SIM Simulator (SIM2).

The card reader shall be detached from the ME.

27.22.4.20.2.4.2 Procedure

Expected Sequence 2.1 (GET CARD READER STATUS, no card reader attached)

See ETSI TS 102 384 [26] in subclause 27.22.4.20.2.4.2, Expected Sequence 2.1.

27.22.4.20.2.5 Test requirement

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

27.22.4.21 TIMER MANAGEMENT and ENVELOPE TIMER EXPIRATION

27.22.4.21.1 TIMER MANAGEMENT (normal)

27.22.4.21.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.21.1.2 Conformance Requirement

The ME shall support the TIMER MANAGEMENT as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.21, clause 6.8, clause 8.6, clause 8.7, clause 8.37 and clause 8.38.

27.22.4.21.1.3 Test purpose

To verify that the ME manages correctly its internal timers, start a timer, deactivate a timer or return the current value of a timer according to the Timer Identifier defined in the TIMER MANAGEMENT proactive UICC command.

27.22.4.21.1.4 Method of Test

27.22.4.21.1.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.21.1.4.2 Procedure

Expected Sequence 1.1 (TIMER MANAGEMENT, start timer 1 several times, get the current value of the timer and deactivate the timer successfully)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (TIMER MANAGEMENT, start timer 2 several times, get the current value of the timer and deactivate the timer successfully)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (TIMER MANAGEMENT, start timer 8 several times, get the current value of the timer and deactivate the timer successfully)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.3.

Expected Sequence1.4 (TIMER MANAGEMENT, try to get the current value of a timer which is not started: action in contradiction with the current timer state)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.4.

Expected Sequence1.5 (TIMER MANAGEMENT, try to deactivate a timer which is not started: action in contradiction with the current timer state)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.5.

Expected Sequence 1.6 (TIMER MANAGEMENT, start 8 timers successfully)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.1.4.2, Expected Sequence 1.6.

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 ENVELOPE TIMER EXPIRATION (normal)

27.22.4.21.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.21.2.2 Conformance requirement

The ME shall support the ENVELOPE (TIMER EXPIRATION) command as defined in the following technical specifications:

- TS 31.111 [15] clause 4.10, clause 7.4.1 and clause 7.4.2.

The ME shall support the TIMER MANAGEMENT as defined in the following technical specifications:

- TS 31.111 [15] clause 5.2, clause 6.4.21, clause 6.8, clause 8.6, clause 8.7, clause 8.37 and clause 8.38.

27.22.4.21.2.3 Test purpose

To verify that the ME shall pass the identifier of the timer that has expired and its value using the ENVELOPE (TIMER EXPIRATION) command, when a timer previously started in a TIMER MANAGEMENT proactive command expires.

27.22.4.21.2.4 Method of test

27.22.4.21.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

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The elementary files are coded as USIM 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 timer 1 is not started.

When the UICC is busy when the envelope TIMER EXPIRATION is sent, either the ME retries periodically to send the envelope or it waits for a status not indicating busy.

27.22.4.21.2.4.2 Procedure

Expected Sequence 2.1 (TIMER EXPIRATION, pending proactive UICC command)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.2.4.2, Expected Sequence 2.1.

Expected Sequence 2.2 (TIMER EXPIRATION, UICC application toolkit busy)

See ETSI TS 102 384 [26] in subclause 27.22.4.21.2.4.2, Expected Sequence 2.2.

27.22.4.21.2.5 Test requirement

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

27.22.4.22 SET UP IDLE MODE TEXT

27.22.4.22.1 SET UP IDLE MODE TEXT (normal)

27.22.4.22.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.1.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 6.4.7 and clause 6.6.13.

Additionally the ME shall support the REFRESH proactive UICC facility as defined in:

- TS 31.111 [15] clause 5.2, clause 6.1, clause 6.4.7, clause 6.6.13, clause 6.11, clause 8.6, clause 8.7, clause 8.12, clause 9.4 and clause 10.

27.22.4.22.1.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text.

27.22.4.22.1.4 Method of test

27.22.4.22.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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 USS.

27.22.4.22.1.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.22.1.4.2, Expected Sequence 1.1.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.22.1.4.2, Expected Sequence 1.2.

Expected Sequence 1.3 (SET UP IDLE MODE TEXT, remove idle mode text)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.1.4.2, Expected Sequence 1.3.

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP IDLE MODE	
		TEXT 1.1.1	
2	, 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	["Idle Mode Text"]
		IDLE MODE TEXT 1.1.1	
4	$ME \rightarrow UICC$		[Command performed successfully]
_	LICED . ME	IDLE MODE TEXT 1.1.1 Select idle screen	Only if idla carean not already available
5 6	USER → ME	Display "Idle Mode Text"	Only if idle screen not already available
7	$USS \rightarrow ME$	ISMS PP 1.4.1	[Display immediate SMS]
8		Display "Test Message"	[Display ininediate SiviS]
9	$ME \rightarrow USER$ $USER \rightarrow ME$	Clear display and select idle	
9	USER → IVIE	screen	
10	$ME \rightarrow USER$	Display "Idle Mode Text"	
11	UICC → ME	PROACTIVE COMMAND	
		PENDING: DISPLAY TEXT 1.4.1	
12	$ME \to UICC$	FETCH	
13	$UICC \to ME$	PROACTIVE COMMAND:	[Normal priority, wait for user to clear
		DISPLAY TEXT 1.4.1	message, unpacked, 8 bit data]
14	$ME \to USER$	Display "Toolkit Test 1"	
15	$USER \to ME$	Clear Message	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully]
		DISPLAY TEXT 1.4.1	
17		Display "Idle Mode Text"	
18	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.4.1	
19	$ME \rightarrow UICC$	FETCH	
20	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
21	ME LIGED	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	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
	/ / / / / / / / / / / / / / / / / / / /	TONE 1.4.1	[2
23	$UICC \to ME$	PROACTIVE UICC SESSION	
	· · · · -	ENDED	
24	$ME \to USER$	Display "Idle Mode Text"	

SMS-PP 1.4.1

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 ME

TP-OA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "1234"

TP-PID "00"

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 0

Alphabet GSM 7 bit default alphabet TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 12

TP-UD "Test Message"

Coding:

Coding	04	04	91	21	43	00	10	89	10	10	00	00
	00	00	0C	D4	F2	9C	0E	6A	96	E7	F3	F0
	B9	0C										

PROACTIVE COMMAND: DISPLAY TEXT 1.4.1

Logically:

Command details

Command number:

Command type: DISPLAY TEXT

Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: UICC
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: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV: 81	03 01	21	80	82	02	82	81	83	01	00	
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Logically:

Command details

Command number: 1

Command type: PLAY TONE

Command qualifier: "00"

Device identities

Source device: UICC
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:

Command type: PLAY TONE

Command qualifier: "00"

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP IDLE MODE	
		TEXT 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	["Idle Mode Text"]
		IDLE MODE TEXT 1.1.1	
4	$ME \rightarrow UICC$		[command performed successfully]
		IDLE MODE TEXT 1.1.1	
5	$USER \to ME$	Select idle screen	Only if idle screen not already available
6		Display "Idle Mode Text"	
7	$USER \to ME$	Power off ME	
8	$ME \Leftrightarrow UICC$	3G Session TERMINATION	
		PROCEDURE	
9		Power on ME	
10	$ME \Leftrightarrow UICC$	3G Session ACTIVATION	
		PROCEDURE	
11		USIM INITIALIZATION	
12	$USER \to ME$	Select idle screen	Only if idle screen not already available
13	$ME \rightarrow USER$	Display idle screen / "Idle Mode	
		Text" not to be displayed	

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	[Idle Mode Text]
		PENDING: SET UP IDLE MODE	
		TEXT 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		IDLE MODE TEXT 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
		IDLE MODE TEXT 1.1.1	
5		Select idle screen	Only if idle screen not already available
6		Display "Idle Mode Text"	
7	$UICC \to ME$	PROACTIVE COMMAND	
_		PENDING: REFRESH 1.6.1	
8	WIE / 0100	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND:	[USIM Initialization]
		REFRESH 1.6.1	
10		USIM INITIALIZATION	
11		Select idle screen	Only if idle screen not already available
12	$ME \rightarrow USER$, ,	
		Text" not to be displayed	
13	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully]
		REFRESH 1.6.1A	[Command performed successfully with
		or	additional files read]
		TERMINAL RESPONSE:	
	11100 115	REFRESH 1.6.1B	
14	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE COMMAND: REFRESH 1.6.1

Logically:

Command details

Command number:

Command type: REFRESH
Command qualifier: USIM Initialization

Device identities

UICC Source device:

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: USIM Initialization

Device identities

Source device: ME
Destination device: UICC

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: USIM Initialization

Device identities

Source device: ME
Destination device: UICC

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)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.1.4.2, Expected Sequence 1.7.

27.22.4.22.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.7.

27.22.4.22.2 SET UP IDLE MODE TEXT (Icon support)

27.22.4.22.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.2.2 Conformance requirement

27.22.4.22.2.3 Test purpose

To verify that the ME text and / or icon passed to the ME is displayed by the ME as an idle mode text.

To verify that the icon identifier provided with the text string can replace the text string or accompany it.

To verify that if both an alpha identifier or text string, and an icon are provided with a proactive command, and both are requested to be displayed, but the ME is not able to display both together on the screen, then the alpha identifier or text string takes precedence over the icon.

To verify that if the UICC provides an icon identifier with a proactive command, then the ME shall inform the UICC if the icon could not be displayed by sending the general result "Command performed successfully, but requested icon could not be displayed".

To verify that if the ME receives an icon identifier with a proactive command, and either an empty, or no alpha identifier / text string is given by the UICC, than the ME shall reject the command with general result "Command data not understood by ME".

27.22.4.22.2.4 Method of test

27.22.4.22.2.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in update idle mode on the System Simulator.

27.22.4.22.2.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.1A.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.1B.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.2A.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.2B.

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

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.3A.

Expected Sequence 2.3B (SET UP IDLE MODE TEXT, Icon is self-explanatory, colour icon, requested icon could not be displayed)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.3B.

Expected Sequence 2.4 (SET UP IDLE MODE TEXT, Icon is not self-explanatory, empty text string)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.2.4.2, Expected Sequence 2.4.

27.22.4.22.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1A to 2.4.

27.22.4.22.3 SET UP IDLE MODE TEXT (UCS2 support)

27.22.4.22.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.3.2 Conformance requirement

The ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [17].

27.22.4.22.3.3 Test purpose

To verify that the UCS2 coded text string is displayed by the ME as an idle mode text.

27.22.4.22.3.4 Method of test

27.22.4.22.3.4.1 Initial conditions

The ME is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in update idle mode on the System Simulator..

27.22.4.22.3.4.2 Procedure

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

See ETSI TS 102 384 [26] in subclause 27.22.4.22.3.4.2, Expected Sequence 3.1.

27.22.4.22.3.5 Test requirement

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

27.22.4.22.4 SET UP IDLE MODE TEXT (support of Text Attribute)

27.22.4.22.4.1 SET UP IDLE MODE TEXT (support of Text Attribute – Left Alignment)

27.22.4.22.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.1.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

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27.22.4.22.4.1.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the left alignment text attribute configuration.

27.22.4.22.4.1.4 Method of test

27.22.4.22.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.1.4.2 Procedure

Expected Sequence 4.1 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Left Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.1.4.2, Expected Sequence 4.1.

27.22.4.22.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.22.4.2 SET UP IDLE MODE TEXT (support of Text Attribute – Center Alignment)

27.22.4.22.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.2.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.2.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the center alignment text attribute configuration.

27.22.4.22.4.2.4 Method of test

27.22.4.22.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.2. Procedure

Expected Sequence 4.2 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute - Center Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.2, Expected Sequence 4.2.

27.22.4.22.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.22.4.3 SET UP IDLE MODE TEXT (support of Text Attribute – Right Alignment)

27.22.4.22.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.3.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.3.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the right alignment text attribute configuration.

27.22.4.22.4.3.4 Method of test

27.22.4.22.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.3.4.2 Procedure

Expected Sequence 4.3 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Right Alignment)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.3.4.2, Expected Sequence 4.3.

27.22.4.22.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.22.4.4 SET UP IDLE MODE TEXT (support of Text Attribute – Large Font Size)

27.22.4.22.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.4.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.4.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the large font size text attribute configuration.

27.22.4.22.4.4.4 Method of test

27.22.4.22.4.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.4.4.2 Procedure

Expected Sequence 4.4 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Large Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.4.2, Expected Sequence 4.4.

27.22.4.22.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.22.4.5 SET UP IDLE MODE TEXT (support of Text Attribute – Small Font Size)

27.22.4.22.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.5.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.5.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the small font size text attribute configuration.

27.22.4.22.4.5.4 Method of test

27.22.4.22.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.5.4.2 Procedure

Expected Sequence 4.5 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Small Font Size)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.5.4.2, Expected Sequence 4.5.

27.22.4.22.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.22.4.6 SET UP IDLE MODE TEXT (support of Text Attribute – Bold On)

27.22.4.22.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.6.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

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27.22.4.22.4.6.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the bold text attribute configuration.

27.22.4.22.4.6.4 Method of test

27.22.4.22.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.6.4.2 Procedure

Expected Sequence 4.6 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute - Bold On)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.6.4.2, Expected Sequence 4.6.

27.22.4.22.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.22.4.7 SET UP IDLE MODE TEXT (support of Text Attribute – Italic On)

27.22.4.22.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.7.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.7.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the italic text attribute configuration.

27.22.4.22.4.7.4 Method of test

27.22.4.22.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.7.4.2 Procedure

Expected Sequence 4.7 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Italic On)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.7.4.2, Expected Sequence 4.7.

27.22.4.22.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.22.4.8 SET UP IDLE MODE TEXT (support of Text Attribute – Underline On)

27.22.4.22.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.8.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.8.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the underline text attribute configuration.

27.22.4.22.4.8.4 Method of test

27.22.4.22.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.8.4.2 Procedure

Expected Sequence 4.8 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Underline On)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.8.4.2, Expected Sequence 4.8.

27.22.4.22.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.22.4.9 SET UP IDLE MODE TEXT (support of Text Attribute – Strikethrough On)

27.22.4.22.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.9.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.9.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the strikethrough text attribute configuration.

27.22.4.22.4.9.4 Method of test

27.22.4.22.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.9.4.2 Procedure

Expected Sequence 4.9 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Strikethrough On)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.9.4.2, Expected Sequence 4.9.

27.22.4.22.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.22.4.10 SET UP IDLE MODE TEXT (support of Text Attribute – Foreground and Background Colour)

27.22.4.22.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.4.10.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

27.22.4.22.4.10.3 Test purpose

To verify that the text passed to the ME is displayed as idle mode text according to the foreground and background colour text attribute configuration.

27.22.4.22.4.10.4 Method of test

27.22.4.22.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.22.4.10.4.2 Procedure

Expected Sequence 4.10 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute – Foreground and Background Colour)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.4.10.4.2, Expected Sequence 4.10.

27.22.4.22.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.22.5 SET UP IDLE MODE TEXT (UCS2 display in Chinese)

27.22.4.22.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.5.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

The Terminal shall additionally support the UCS2 facility for the coding of the Chinese character, as defined in:

ISO/IEC 10646 [17a/17b].

27.22.4.22.5.3 Test purpose

To verify that the UCS2 coded text string is displayed by the ME as an idle mode text.

27.22.4.22.5.4 Method of test

27.22.4.22.5.4.1 Initial conditions

The Terminal is connected to both the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the Terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.4.22.5.4.2 Procedure

Expected Sequence 5.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Chinese)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.5.4.2, Expected Sequence 5.1.

27.22.4.22.5.5 Test requirement

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

27.22.4.22.6 SET UP IDLE MODE TEXT (UCS2 display in Katakana)

27.22.4.22.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.22.6.2 Conformance requirement

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.22, clause 6.6.22, clause 6.4.16, clause 6.6.16, clause 7.5.6, clause 6.8, clause 7.5, clause 7.5.1, clause 8.25, clause 8.70, clause 6.4.7 and clause 6.6.13.

The ME shall additionally support the UCS2 facility for the coding of the Katakana character, as defined in:

ISO/IEC 10646 [17a/17b].

27.22.4.22.6.3 Test purpose

To verify that the UCS2 coded text string is displayed by the ME as an idle mode text.

27.22.4.22.6.4 Method of test

27.22.4.22.6.4.1 Initial conditions

The ME is connected to both the UICC Simulator and the USS.

The elementary files are coded as USIM 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 USS.

27.22.4.22.6.4.2 Procedure

Expected Sequence 6.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Katakana)

See ETSI TS 102 384 [26] in subclause 27.22.4.22.6.4.2, Expected Sequence 6.1.

27.22.4.22.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.23 RUN AT COMMAND

27.22.4.23.1 RUN AT COMMAND (normal)

27.22.4.23.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.1.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31 and clause 8.41.
- TS 27.007 [18].

27.22.4.23.1.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.1.4 Method of test

27.22.4.23.1.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.1.4.2 Procedure

Expected Sequence 1.1(RUN AT COMMAND, no alpha identifier presented, request IMSI)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[no alpha identifier, request IMSI]
		AT COMMAND 1.1.1	
4	$ME (\rightarrow User)$	The ME may give information to	
		the user concerning what is	
		happening	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 1.1.1	Response containing IMSI]

PROACTIVE UICC COMMAND: RUN AT COMMAND 1.1.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	12	81	03	01	34	00	82	02	81	82	A8
	07	41	54	2B	43	49	4D	49				

TERMINAL RESPONSE: RUN AT COMMAND 1.1.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

Expected Sequence 1.2 (RUN AT COMMAND, null data alpha identifier presented, request IMSI)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		1.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[null data alpha identifier, request IMSI]
		AT COMMAND 1.2.1	
4	ME	The ME should not give any	
		information to user on the fact	
		that the ME is performing an AT	
		command	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN	[Command performed successfully, AT
		AT COMMAND 1.1.1	Response containing IMSI]

PROACTIVE UICC COMMAND: RUN AT COMMAND 1.2.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier null data object

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	14	81	03	01	34	00	82	02	81	82	85	
	00	A8	07	41	54	2B	43	49	4D	49			

Expected Sequence 1.3 (RUN AT COMMAND, alpha identifier presented, request IMSI)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		1.3.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[alpha identifier, request IMSI]
		AT COMMAND 1.3.1	
4	$ME \to USER$	Display "Run AT Command"	
5	$ME \to UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 1.1.1	Response containing IMSI]

PROACTIVE UICC COMMAND: RUN AT COMMAND 1.3.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier

"Run AT Command"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	22	81	03	01	34	00	82	02	81	82	85
	0E	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	A8	07	41	54	2B	43	49	4D	49

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 RUN AT COMMAND (Icon support)

27.22.4.23.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.2.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31 and clause 8.41.
- TS 27.007 [18].

27.22.4.23.2.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

In addition to verify that if an icon is provided by the UICC, the icon indicated in the command may be used by the ME to inform the user, in addition to, or instead of the alpha identifier, as indicated with the icon qualifier.

27.22.4.23.2.4 Method of test

27.22.4.23.2.4.1 Initial conditions

The ME is connected to the USIM 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.

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

27.22.4.23.2.4.2 Procedure

Expected Sequence 2.1A (RUN AT COMMAND, basic icon self explanatory, request IMSI, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[BASIC-ICON, self-explanatory, request IMSI]
		AT COMMAND 2.1.1	
4	$ME \to USER$	Display BASIC ICON without the	
		alpha identifier	
5	$ME \to UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 2.1.1A	response containing IMSI]

PROACTIVE COMMAND: RUN AT COMMAND 2.1.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha identifier: "Basic Icon"

AT Command

AT Command string: "AT+CIMI"

Icon identifier:

 $\begin{array}{ll} \mbox{Icon qualifier:} & \mbox{icon is self-explanatory} \\ \mbox{Icon identifier:} & \mbox{record 1 in } EF_{(IMG)} \\ \end{array}$

Coding:

	BER-TLV:	D0	22	81	03	01	34	00	82	02	81	82	85
L		0A	42	61	73	69	63	20	49	63	6F	6E	A8
		07	41	54	2B	43	49	4D	49	9E	02	00	01

TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	80	09	10	10	10	32	54	76	98		

Expected Sequence 2.1B (RUN AT COMMAND, basic icon self explanatory, request IMSI, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[BASIC-ICON, self-explanatory, request IMSI]
		AT COMMAND 2.1.1	
4	$ME \rightarrow USER$	Display 'Basic Icon' without the	
		BASIC-ICON	
5	$ME \rightarrow UICC$		[Command performed but requested icon
		COMMAND 2.1.1B	could not be displayed, AT response
			containing IMSI]

TERMINAL RESPONSE: RUN AT COMMAND 2.1.1B

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

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

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	04
	A9	08	09	10	10	10	32	54	76	98		

Expected Sequence 2.2A (RUN AT COMMAND, colour icon self explanatory, request IMSI, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[COLOUR-ICON, self-explanatory, request
		AT COMMAND 2.2.1	IMSI]
4	$ME \rightarrow USER$	Display COLOUR-ICON without	
		the alpha identifier	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 2.1.1A	response containing IMSI]

PROACTIVE COMMAND: RUN AT COMMAND 2.2.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha identifier: "Colour Icon"

AT Command

AT Command string: "AT+CIMI"

Icon identifier:

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

Coding:

BER-TLV:	D0	23	81	03	01	34	00	82	02	81	82	A8
	0B	43	6F	6C	6F	75	72	20	49	63	6F	6E
	A8	07	41	54	2B	43	49	4D	49	9E	02	00
	02											

Expected Sequence 2.2B (RUN AT COMMAND, colour icon self explanatory, request IMSI, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[COLOUR-ICON, self-explanatory, request
		AT COMMAND 2.2.1	IMSI]
4	$ME \rightarrow USER$	Display 'Colour Icon' without the	
		COLOUR-ICON	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed but requested icon
		COMMAND 2.1.1B	could not be displayed, AT response
			containing IMSI]

Expected Sequence 2.3A (RUN AT COMMAND, basic icon non self-explanatory, request IMSI, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[BASIC-ICON, non self-explanatory, request
		AT COMMAND 2.3.1	IMSI]
4	$ME \rightarrow USER$	Display "Basic Icon" and BASIC-	
		ICON	
5	$ME \rightarrow UICC$		[Command performed successfully, AT
		COMMAND 2.1.1A	response containing IMSI]

PROACTIVE COMMAND: RUN AT COMMAND 2.3.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier

Alpha identifier: "Basic Icon"

AT Command

AT Command string: "AT+CIMI"

Icon identifier

Icon qualifier: icon is non self-explanatory

Icon identifier: record 1 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	22	81	03	01	34	00	82	02	81	82	85
	0A	42	61	73	69	63	20	49	63	6F	6E	A8
	07	41	54	2B	43	49	4D	49	9E	02	01	01

Expected Sequence 2.3B (RUN AT COMMAND, basic icon non self-explanatory, request IMSI, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[BASIC-ICON, non self-explanatory, request
		AT COMMAND 2.3.1	IMSI]
4	$ME \rightarrow USER$	Display "Basic Icon" without	
		BASIC-ICON	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed but requested icon
		COMMAND 2.1.1B	could not be displayed, AT response
			containing IMSI]

Expected Sequence 2.4A (RUN AT COMMAND, colour icon non self-explanatory, request IMSI, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[COLOUR-ICON, non self-explanatory,
		AT COMMAND 2.4.1	request IMSI]
4	$ME \rightarrow USER$	Display "Colour Icon" and	
		COLOUR-ICON	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 2.1.1A	response containing IMSI]

PROACTIVE COMMAND: RUN AT COMMAND 2.4.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha identifier: "Colour Icon"

AT Command

AT Command string: "AT+CIMI"

Icon identifier:

 $\begin{array}{ll} \mbox{Icon qualifier:} & \mbox{icon is self-explanatory} \\ \mbox{Icon identifier:} & \mbox{record 2 in } EF_{(IMG)} \\ \end{array}$

Coding:

BER-TLV:	D0	23	81	03	01	34	00	82	02	81	82	85
	0B	43	6F	6C	6F	75	72	20	49	63	6F	6E
	A8	07	41	54	2B	43	49	4D	49	9E	02	01
	02											

Expected Sequence 2.4B (RUN AT COMMAND, colour icon non self-explanatory, request IMSI, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[COLOUR-ICON, non self-explanatory,
		AT COMMAND 2.4.1	request IMSI]
4	$ME \rightarrow USER$	Display "Colour Icon" without	
		COLOUR-ICON	
5	$ME \rightarrow UICC$		[Command performed but requested icon
		COMMAND 2.1.1B	could not be displayed, AT response
			containing IMSII

Expected Sequence 2.5 (RUN AT COMMAND, basic icon non self-explanatory, no alpha identifier presented)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		2.5.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[BASIC-ICON, non self-explanatory]
		AT COMMAND 2.5.1	
4	$ME \to UICC$	TERMINAL RESPONSE: RUN	[Command data not understood by ME]
		AT COMMAND 2.5.1	

PROACTIVE COMMAND: RUN AT COMMAND 2.5.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Source device:

"00" Command qualifier:

Device identities

UICC

Destination device:

ME

AT Command

AT Command string: "AT+CIMI"

Icon identifier

Icon qualifier: icon is non self-explanatory

record 1 in $EF_{(IMG)}$ Icon identifier:

Coding:

BER-TLV:	D0	16	81	03	01	34	00	82	02	81	82	A8
	07	41	54	2B	43	49	4D	49	9E	02	01	01

TERMINAL RESPONSE: RUN AT COMMAND 2.5.1

Logically:

Command details

Command number:

RUN AT COMMAND Command type:

Command qualifier: "00"

Device identities

Source device: **UICC** Destination device: ME

Result

General Result: Command data not understood by ME

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	32

27.22.4.23.2.5 Test requirement

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

27.22.4.23.3 RUN AT COMMAND (support of Text Attribute)

27.22.4.23.3.1 RUN AT COMMAND (support of Text Attribute – Left Alignment)

27.22.4.23.3.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.1.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.1.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with left alignment text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.1.4 Method of test

27.22.4.23.3.1.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.1.4.2 Procedure

Expected Sequence 3.1(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.1.1	
2	WIL 7 0100	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.1.1	
4	ME (→	Display "Run AT Command 1"	[alpha identifier is displayed with left
5	USER)	TERMINAL RESPONSE: RUN AT	alignment, request IMSI]
5	$ME \rightarrow UICC$	COMMAND 3.1.1	[Command performed successfully, AT Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	Response containing livion
		ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.1.2	
8	WE / 0100	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.1.2	
10	$ME (\rightarrow$	Display "Run AT Command 2"	[Message shall be formatted without left
	USER)		alignment, request IMSI. Remark: If left
			alignment is the ME"s default alignment as
			declared in table A.2/16, no alignment change will take place]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
	, 0,00	COMMAND 3.1.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.1.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC

Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	00	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.1.2

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.1.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.1.5 Test requirement

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

27.22.4.23.3.2 RUN AT COMMAND (support of Text Attribute – Center Alignment)

27.22.4.23.3.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.2.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.2.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with center alignment text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.2.4 Method of test

27.22.4.23.3.2.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.2.4.2 Procedure

Expected Sequence 3.2(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.2.1	
2	11.12 / 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.2.1	
4	ME (\rightarrow USER)	Display "Run AT Command 1"	[alpha identifier is displayed with center alignment, request IMSI]
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.2.1	[Command performed successfully, AT Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.2.2	
8	$ME \to UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.2.2	
10	ME (→ USER)	Display "Run AT Command 2"	[Message shall be formatted without center alignment, request IMSI. Remark: If center alignment is the ME"s default alignment as declared in table A.2/16, no alignment change will take place]
11	$ME \to UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.2.1	[Command performed successfully, AT Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.2.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49

4D	49	D0	04	00	10	01	B4		

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.2.2

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.2.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.2.

27.22.4.23.3.3 RUN AT COMMAND (support of Text Attribute – Right Alignment)

27.22.4.23.3.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.3.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.3.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with right alignment text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.3.4 Method of test

27.22.4.23.3.3.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.3.4.2 Procedure

Expected Sequence 3.3(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.3.1	
2	III_ / 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.3.1	
4	$ME \; (\to USER)$	Display "Run AT Command 1"	[alpha identifier is displayed with right
_			alignment, request IMSI]
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN	[Command performed successfully, AT
		AT COMMAND 3.3.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
7	UICC → ME	PROACTIVE COMMAND	
'	OICC → IVIE	PENDING: RUN AT COMMAND	
		3.3.2	
8	ME → UICC	FETCH	
9	IVIL / 0100	PROACTIVE COMMAND: RUN	
	OICC - IVIL	AT COMMAND 3.3.2	
10	MF (→ USFR)	Display "Run AT Command 2"	[Message shall be formatted without right
	(/ 00211)		alignment, request IMSI. Remark: If right
			alignment is the ME"s default alignment as
			declared in table A.2/16, no alignment change
			will take place]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN	[Command performed successfully, AT
		AT COMMAND 3.3.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.3.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49

4D	49	D0	04	00	10	02	B4		

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.3.2

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.3.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.3.

27.22.4.23.3.4 RUN AT COMMAND (support of Text Attribute – Large Font Size)

27.22.4.23.3.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.4.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.4.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with large font size as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.4.4 Method of test

27.22.4.23.3.4.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.4.4.2 Procedure

Expected Sequence 3.4(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
	ME IIIOO	3.4.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.4.1	
4	ME ($ ightarrow$	Display "Run AT Command 1"	[alpha identifier is displayed with large font
	USER)	Display Rull AT Command T	size, request IMSI]
5	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
	, , , , ,	COMMAND 3.4.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
8	ME LUCC	3.4.2 FETCH	
9	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.4.2	
10	$ME \left(ightarrow ight.$	Display "Run AT Command 2"	[alpha identifier is displayed with normal font
	USER)		size, request IMSI]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.4.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
13	LUCC ME	PROACTIVE COMMAND	
13	$UICC \to ME$	PENDING: RUN AT COMMAND	
		3.4.1	
14	$ME \to UICC$	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.4.1	
16	ME (→	Display "Run AT Command 1"	[alpha identifier is displayed with large font
17	USER)	TERMINAL RESPONSE: RUN AT	size, request IMSI] [Command performed successfully, AT
17	$ME \rightarrow UICC$	COMMAND 3.4.1	Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION	1. Copolido contaming majori
	0.00 /	ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
00	NAT LUGG	3.4.3	
20	ME → UICC	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.4.3	
22	$ME \ (\to$	Display "Run AT Command 3"	[alpha identifier is displayed with normal font
	USER)		size, request IMSI]
23	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.4.1	Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.4.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	04	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.4.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	00	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.4.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	33	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.4.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.4.

27.22.4.23.3.5 RUN AT COMMAND (support of Text Attribute – Small Font Size)

27.22.4.23.3.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.5.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.5.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with small font size as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.5.4 Method of test

27.22.4.23.3.5.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.5.4.2 Procedure

Expected Sequence 3.5(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
2	$ME \to UICC$	3.5.1 FETCH	
3	$UICC \rightarrow ME$	PROACTIVE COMMAND: RUN	
	OICC → IVIL	AT COMMAND 3.5.1	
4	$ME \left(ightarrow ight.$	Display "Run AT Command 1"	[alpha identifier is displayed with small font
	USER)	. ,	size, request IMSI]
5	$ME \to UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.5.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND	
'	OICC → IVIL	PENDING: RUN AT COMMAND	
		3.5.2	
8	$ME \to UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: RUN	
40		AT COMMAND 3.5.2	falala a ida differenta di anta de different
10	ME ($ ightarrow$ USER)	Display "Run AT Command 2"	[alpha identifier is displayed with normal font size, request IMSI]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
''	IVIL -> 0100	COMMAND 3.5.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	3 - 1
		ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND 3.5.1	
14	$ME \to UICC$	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: RUN	
	0100 7 WIE	AT COMMAND 3.5.1	
16	$ME \ (\to$	Display "Run AT Command 1"	[alpha identifier is displayed with small font
	USER)		size, request IMSI]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
18	$UICC \to ME$	COMMAND 3.5.1 PROACTIVE UICC SESSION	Response containing IMSI]
10	UICC → IVIE	ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.5.3	
20	ME → UICC	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN	
22	ME (→	AT COMMAND 3.5.3 Display "Run AT Command 3"	[alpha identifier is displayed with normal font
	USER)	Diopiay Train / Command o	size, request IMSI]
23	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.5.1	Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	08	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	00	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

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Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	33	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.5.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.5.

27.22.4.23.3.6 RUN AT COMMAND (support of Text Attribute – Bold On)

27.22.4.23.3.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.6.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.6.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with bold text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.6.4 Method of test

27.22.4.23.3.6.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.6.4.2 Procedure

Expected Sequence 3.6(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
	NAT 11100	3.6.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.6.1	
4	ME (→	Display "Run AT Command 1"	[alpha identifier is displayed with bold on,
	USER)	Biopiay Train At Communic 1	request IMSI]
5	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.6.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
_		ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND 3.6.2	
8	ME → UICC	FETCH	
9	UICC → ME	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.6.2	
10	$ME \left(ightarrow ight.$	Display "Run AT Command 2"	[alpha identifier is displayed with bold off,
	USER)		request IMSI]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
12	$UICC \to ME$	COMMAND 3.6.1 PROACTIVE UICC SESSION	Response containing IMSI]
12		ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.6.1	
14	ME → UICC	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.6.1	
16	ME (→	Display "Run AT Command 1"	[alpha identifier is displayed with bold on,
	USER)	Display Marry Command	request IMSI]
17	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.6.1	Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION	
40	LUCO ME	ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND	
		3.6.3	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.6.3	
22	ME (→	Display "Run AT Command 3"	[alpha identifier is displayed with bold off,
00	USER)	TERMINIAL DECRONICE: DUBLAT	request IMSI]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.6.1	[Command performed successfully, AT Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION	Ivesponse containing intol
	0.00 / WIL	ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.6.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	10	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.6.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TL	LV:	D0	2A	81	03	01	34	00	82	02	81	82	85	
		10	52	75	6E	20	41	54	20	43	6F	6D	6D	
		61	6E	64	20	32	A8	07	41	54	2B	43	49	
		4D	49	D0	04	00	10	00	B4					

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.6.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	33	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.6.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.6.

27.22.4.23.3.7 RUN AT COMMAND (support of Text Attribute – Italic On)

27.22.4.23.3.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.7.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.7.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with italic text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.7.4 Method of test

27.22.4.23.3.7.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.7.4.2 Procedure

Expected Sequence 3.7(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.7.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.7.1	
4	ME ($ ightarrow$ USER)	Display "Run AT Command 1"	[alpha identifier is displayed with italic on, request IMSI]
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.7.1	[Command performed successfully, AT Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.7.2	
8	$ME \to UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.7.2	
10	ME (\rightarrow USER)	Display "Run AT Command 2"	[alpha identifier is displayed with italic off, request IMSI]
11	ME → UICC	TERMINAL RESPONSE: RUN AT COMMAND 3.7.1	[Command performed successfully, AT Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	The state of the s
13	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.7.1	
14	$ME \to UICC$	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.7.1	
16	ME (→ USER)	Display "Run AT Command 1"	[alpha identifier is displayed with italic on, request IMSI]
17	ME → UICC	TERMINAL RESPONSE: RUN AT COMMAND 3.7.1	[Command performed successfully, AT Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.7.3	
20	$ME \to UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.7.3	
22	ME (→ USER)	Display "Run AT Command 3"	[alpha identifier is displayed with italic off, request IMSI]
23	ME → UICC	TERMINAL RESPONSE: RUN AT COMMAND 3.7.1	[Command performed successfully, AT Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	Trooperior containing interj

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.7.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	20	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.7.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	00	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.7.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

UICC ME

Destination device:

Source device:

Alpha Identifier

Alpha Identifier

"Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	33	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.7.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.7.

27.22.4.23.3.8 RUN AT COMMAND (support of Text Attribute – Underline On)

27.22.4.23.3.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.8.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.8.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with underline text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.8.4 Method of test

27.22.4.23.3.8.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.8.4.2 Procedure

Expected Sequence 3.8(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.8.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.8.1	
4	ME (→ USER)	Display "Run AT Command 1"	[alpha identifier is displayed with underline on, request IMSI]
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.8.1	[Command performed successfully, AT Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.8.2	
8	$ME \to UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.8.2	
10	$ME \ (\to$	Display "Run AT Command 2"	[alpha identifier is displayed with underline off,
	USER)		request IMSI]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.8.1	[Command performed successfully, AT Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.8.1	
14	$ME \to UICC$	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.8.1	
16	ME (→ USER)	Display "Run AT Command 1"	[alpha identifier is displayed with underline on, request IMSI]
17	ME → UICC	TERMINAL RESPONSE: RUN AT COMMAND 3.8.1	[Command performed successfully, AT Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	toopened comming mon
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.8.3	
20	$ME \to UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.8.3	
22	ME (→ USER)	Display "Run AT Command 3"	[alpha identifier is displayed with underline off, request IMSI]
23	ME → UICC	TERMINAL RESPONSE: RUN AT COMMAND 3.8.1	[Command performed successfully, AT Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	Troops to something intol

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.8.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	40	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.8.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	00	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.8.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	33	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.8.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.8.

27.22.4.23.3.9 RUN AT COMMAND (support of Text Attribute – Strikethrough On)

27.22.4.23.3.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.9.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.

- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.9.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with strikethrough text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.9.4 Method of test

27.22.4.23.3.9.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.9.4.2 Procedure

Expected Sequence 3.9(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
	ME IIIOO	3.9.1	
2 3	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.9.1	
4	ME ($ ightarrow$	Display "Run AT Command 1"	[alpha identifier is displayed with strikethrough
	USER)	Biopiay Rail Al Command	on, request IMSI]
5	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.9.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND 3.9.2	
8	$ME \to UICC$	FETCH	
9	$UICC \rightarrow ME$	PROACTIVE COMMAND: RUN	
	OIOO / WIL	AT COMMAND 3.9.2	
10	$ME \ (\to$	Display "Run AT Command 2"	[alpha identifier is displayed with strikethrough
	USER)		off, request IMSI]
11	$ME \to UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.9.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
13	$UICC \to ME$	PROACTIVE COMMAND	
13		PENDING: RUN AT COMMAND	
		3.9.1	
14	$ME \to UICC$	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.9.1	
16	ME (→	Display " Run AT Command 1"	[alpha identifier is displayed with strikethrough
17	USER)	TERMINAL RESPONSE: RUN AT	on, request IMSI] [Command performed successfully, AT
17	$ME \rightarrow UICC$	COMMAND 3.9.1	Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION	incoporise containing intoly
	0.00 /	ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
00	ME 1000	3.9.3	
20	ME → UICC	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.9.3	
22	ME (→	Display "Run AT Command 3"	[alpha identifier is displayed with strikethrough
	USER)		off, request IMSI]
23	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.9.1	Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.9.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	80	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.9.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	00	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.9.3

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	33	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.9.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	80	09	10	10	10	32	54	76	98		

27.22.4.23.3.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.9.

27.22.4.23.3.10 RUN AT COMMAND (support of Text Attribute – Foreground and Background Colour)

27.22.4.23.3.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.10.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.3.10.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with foreground and background colour text attribute as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.3.10.4 Method of test

27.22.4.23.3.10.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.23.3.10.4.2 Procedure

Expected Sequence 3.10(RUN AT COMMAND, with alpha identifier presented, request IMSI, Text Attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.10.1	
2	WIL / CIGO	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.10.1	
4	$ME \left(ightarrow ight.$	Display "Run AT Command 1"	[alpha identifier is displayed with foreground
	USER)		and background colour according to the text
_		TERMINIAL RESPONSE BUILDING	attribute configuration, request IMSI]
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
6	11100 ME	COMMAND 3.10.1	Response containing IMSI]
ь	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
7	UICC → ME	PROACTIVE COMMAND	
,	OICC - IVIL	PENDING: RUN AT COMMAND	
		3.10.2	
8	ME → UICC	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.10.2	
10	$ME \left(ightarrow ight.$	Display "Run AT Command 2"	[alpha identifier is displayed with ME"s default
	USER)		foreground and background colour, request
			IMSI]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.10.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.10.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CIMI"

Text Attribute

Formatting position: 0 Formatting length: 16

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	2A	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	31	A8	07	41	54	2B	43	49
	4D	49	D0	04	00	10	00	B4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.10.2

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CIMI"

Coding:

BER-TLV:	D0	24	81	03	01	34	00	82	02	81	82	85
	10	52	75	6E	20	41	54	20	43	6F	6D	6D
	61	6E	64	20	32	A8	07	41	54	2B	43	49
	4D	49										

TERMINAL RESPONSE: RUN AT COMMAND 3.10.1

Logically:

Command details

Command number: 1

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: ME Destination device: UICC Result

General Result: Command performed successfully

AT Response

AT Response string: IMSI

Coding:

BER-TLV:	81	03	01	34	00	82	02	82	81	83	01	00
	A9	08	09	10	10	10	32	54	76	98		

27.22.4.23.3.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 3.10.

27.22.4.23.4 RUN AT COMMAND (UCS2 display in Cyrillic)

27.22.4.23.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.4.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.4.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with UCS2 alpha identifier as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.4.4 Method of test

27.22.4.23.4.4.1 Initial conditions

The ME is connected to the UICC 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.

27.22.4.23.4.4.2 Procedure

Expected Sequence 4.1(RUN AT COMMAND, alpha identifier presented coded with UCS2 in Cyrillic, request ME Manufacturer ID)

See ETSI TS 102 384 [26] in subclause 27.22.4.23.4.4.2, Expected Sequence 4.1.

27.22.4.23.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.23.5 RUN AT COMMAND (UCS2 display in Chinese)

27.22.4.23.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.5.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.5.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with UCS2 alpha identifier as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.5.4 Method of test

27.22.4.23.5.4.1 Initial conditions

The ME is connected to the UICC 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.

27.22.4.23.5.4.2 Procedure

Expected Sequence 5.1(RUN AT COMMAND, alpha identifier presented coded with UCS2 in Chinese, request ME Manufacturer ID)

See ETSI TS 102 384 [26] in subclause 27.22.4.23.5.4.2, Expected Sequence 5.1.

27.22.4.23.5.5 Test requirement

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

27.22.4.23.6 RUN AT COMMAND (UCS2 display in Katakana)

27.22.4.23.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.6.2 Conformance requirement

The ME shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- TS 31.111 [15] clause 6.4.23, clause 6.6.23, clause 5.2, clause 6.8, clause 8.6, clause 8.7, clause 8.2, clause 8.40, clause 8.31, clause 8.41 and clause 8.70.
- TS 27.007 [18].

The terminal shall support the text attribute.

27.22.4.23.6.3 Test purpose

To verify that the ME responds to an AT Command contained within a RUN AT COMMAND with UCS2 alpha identifier as though it were initiated by an attached TE, and returns an AT Response within a TERMINAL RESPONSE to the UICC.

27.22.4.23.6.4 Method of test

27.22.4.23.6.4.1 Initial conditions

The ME is connected to the UICC 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.

27.22.4.23.6.4.2 Procedure

Expected Sequence 6.1(RUN AT COMMAND, alpha identifier presented coded with UCS2 in Katakana, request ME Manufacturer ID)

See ETSI TS 102 384 [26] in subclause 27.22.4.23.6.4.2, Expected Sequence 6.1.

27.22.4.23.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.24 SEND DTMF

27.22.4.24.1 SEND DTMF (Normal)

27.22.4.24.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2 and clause 8.44.

27.22.4.24.1.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that if an alpha identifier is provided by the UICC and is a null data object the ME does not give any information to the user on the fact that the ME is performing a SEND DTMF command.

27.22.4.24.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM 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 USS.

27.22.4.24.1.4. 2 Procedure

Expected Sequence 1.1 (SEND DTMF, normal)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \rightarrow USS$	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 1.1.1	
5	$ME \rightarrow UICC$		
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 1.1.1	
7	ME → USER	May give information to the user concerning what is happening. Do not locally generate audible DTMF tones and play them to the user.	
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20%
10	$ME \to USS$	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DTMF 1.1.1	[Command performed successfully]
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
13	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 1.1.1

Logically:

Command details

Command number:

SEND DTMF Command type:

Command qualifier:

"00"

Device identities

UICC Source device: Network Destination device: DTMF String: "1" pause "2"

Coding:

BER-TLV:	D0	0D	81	03	01	14	00	82	02	81	83	AC

02	C1	F2					

Start DTMF 1.1

Logically:

DTMF String: "1"

Start DTMF 1.2

Logically:

DTMF String: "2"

TERMINAL RESPONSE: SEND DTMF 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

Expected Sequence 1.2 (SEND DTMF, containing alpha identifier)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
_	ME	PENDING: SEND DTMF 1.2.1 FETCH	
5 6	W.E 7 0.00	PROACTIVE COMMAND: SEND	
0	$UICC \to ME$	DTMF 1.2.1	
7	ME \ LISED	Display "Send DTMF"	Alpha identifier
	WIL → OOLIK	Do not locally generate audible	7 apria identino
		DTMF tones and play them to the	
		user.	
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \to USS$	Start DTMF 1.2	["2"]
10	$ME \to USS$	Start DTMF 1.3	["3"]
11	$ME \to USS$	Start DTMF 1.4	["4"]
12	$ME \to USS$	Start DTMF 1.5	["5"]
13	$ME \to USS$	Start DTMF 1.6	["6"]
14	$ME \to USS$	Start DTMF 1.7	["7"]
15	$ME \to USS$	Start DTMF 1.8	["8"]
16	$ME \to USS$	Start DTMF 1.9	["9"]
17	$ME \to USS$	Start DTMF 1.10	["0"]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
1.0		DTMF 1.1.1	
19	$UICC \to ME$	PROACTIVE UICC SESSION	
20	Llaam . ME	ENDED End the call	
20	User \rightarrow ME	End the Call	

PROACTIVE COMMAND: SEND DTMF 1.2.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier:

"00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF"
DTMF String: "1234567890"

Coding:

BER-TLV:	D0	1B	81	03	01	14	00	82	02	81	83	85
	09	53	65	6E	64	20	44	54	4D	46	AC	05
	21	43	65	87	09							

Start DTMF 1.3

Logically:

DTMF String: "3"

Start DTMF 1.4

Logically:

DTMF String: "4"

Start DTMF 1.5

Logically:

DTMF String: "5"

Start DTMF 1.6

Logically:

DTMF String: "6"

Start DTMF 1.7

Logically:

DTMF String: "7"

Start DTMF 1.8

Logically:

DTMF String: "8"

Start DTMF 1.9

Logically:

DTMF String: "9"

Start DTMF 1.10

Logically:

DTMF String: "0"

Expected Sequence 1.3 (SEND DTMF, containing alpha identifier with null data object)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
_		PENDING: SEND DTMF 1.3.1	
5		FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 1.3.1	Alpha identifier with null data object
7	$ME \rightarrow USER$	Do not give any information to the	
		user on the fact that the ME is	
		performing a SEND DTMF	
		command.	
		Do not locally generate audible	
		DTMF tones and play them to the	
		user.	FII 4 II 3
8	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
9	ME	O BTME 4.0	No DTMF sending for 30 seconds ±20%
10	/ 000	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
40		DTMF 1.1.1	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
12	11 14-	ENDED	
13	User \rightarrow ME	End the call	

PROACTIVE COMMAND: SEND DTMF 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "" (null data object)

DTMF String: "1" pause pause pause pause pause pause pause pause pause pause "2"

Coding:

BER-TLV:	D0	13	81	03	01	14	00	82	02	81	83	85
	00	AC	06	C1	CC	CC	CC	CC	2C			

Expected Sequence 1.4 (SEND DTMF, mobile is not in a speech call)

Step	Direction	MESSAGE / Action	Comments
1		PROACTIVE COMMAND	[Mobile is not in a speech call]
		PENDING: SEND DTMF 1.1.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[ME currently unable to process command,
		DTMF 1.4.1	not in speech call]
5	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

TERMINAL RESPONSE: SEND DTMF 1.4.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: ME currently unable to process command

Additional information: Not in speech call

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	02	20
	07											

27.22.4.24.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.4.

27.22.4.24.2 SEND DTMF (Display of icons)

27.22.4.24.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.2.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44, clause 8.31 and clause 6.5.4.

27.22.4.24.2.3 Test purpose

To verify that after a call has been successfully established the ME send the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME do not locally generate audible DTMF tones and play them to the user.

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the icons which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.2.4 Method of test

27.22.4.24.2.4.1 Initial conditions

The ME is connected to the SIM Simulator and only connected to the System Simulator if the System Simulator is mentioned in the sequence table. Prior to this test the ME shall have been powered on, performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

The elementary files are coded as Toolkit default.

27.22.4.24.2.4.2 Procedure

Expected Sequence 2.1A (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	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT message from the USS.	
4	$UICC \to ME$	PROAČTIVE COMMAND PENDING: SEND DTMF 2.1.1	
5	$ME \rightarrow UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 2.1.1	[BASIC-ICON, self-explanatory]
7	$ME \to USER$	Display the BASIC-ICON Do not locally generate audible DTMF tones and play them to the user.	
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20%
10	$ME \to USS$	Start DTMF 1.2	["2"]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND DTMF 2.1.1A	[Command performed successfully]
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
13	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Basic Icon"
DTMF String: "1" pause "2"

Icon identifier

 $\begin{array}{ll} \mbox{Icon qualifier:} & \mbox{icon is self-explanatory} \\ \mbox{Icon identifier:} & \mbox{record 1 in } EF_{(IMG)} \\ \end{array}$

Coding:

BER-TLV:	D0	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					

DTMF Request 2.1.1

Logically:

DTMF String: \$DTMF_2.1\$ = "C1 F2" (given as example)

TERMINAL RESPONSE: SEND DTMF 2.1.1A

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

Expected Sequence 2.1B (SEND DTMF, BASIC ICON self explanatory, requested icon could not be displayed)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
_	ME IIIOO	PENDING: SEND DTMF 2.1.1	
5	ME → UICC		
6	$UICC \to ME$		[BASIC-ICON, self-explanatory]
1 _		DTMF 2.1.1	
7	$ME \rightarrow USER$	Display "Basic Icon" without the	
		icon	
		Do not locally generate audible	
		DTMF tones and play them to the	
		user.	
8	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20 %
10	$ME \to USS$	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully, but
		DTMF 2.1.1B	requested icon could not be displayed]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	User \rightarrow ME	End the call	

TERMINAL RESPONSE: SEND DTMF 2.1.1B

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

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

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	04

Expected Sequence 2.2A (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	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
_	ME IIIOO	PENDING: SEND DTMF 2.2.1	
5	ME → UICC		1001 011D 1001 II
6	$UICC \to ME$		[COLOUR-ICON]
7	ME LICED	DTMF 2.2.1	
/	ME → USER	Display the COLOUR-ICON	
		Do not locally generate audible DTMF tones and play them to the	
		user.	
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	ME ME		No DTMF sending for 3 seconds ±20%
10		Start DTMF 1.2	["2"]
11		TERMINAL RESPONSE: SEND	[Command performed successfully]
	, 0.00	DTMF 2.1.1A	[
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 2.2.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Colour Icon"
DTMF String: "1" pause "2"

Icon identifier:

 $\begin{array}{ll} \text{Icon qualifier:} & \text{icon is self-explanatory} \\ \text{Icon identifier:} & \text{record 2 in } EF_{\text{(IMG)}} \\ \end{array}$

Coding:

BER-TLV:	D0	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				

Expected Sequence 2.2B (SEND DTMF, COLOUR-ICON self explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
4	$UICC \to ME$	message from the USS. PROACTIVE COMMAND	
7	OICC → IVIE	PENDING: SEND DTMF 2.2.1	
5	$ME \rightarrow UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND	[COLOUR-ICON]
		DTMF 2.2.1	
7	$ME \to USER$	1. ' '	
		icon	
		Do not locally generate audible	
		DTMF tones and play them to the user.	
8	ME o USS	Start DTMF 1.1	["1"]
9	ME ME	Cian Divini	No DTMF sending for 3 seconds ±20%
10	$ME \to USS$	Start DTMF 1.2	["2"]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully, but
		DTMF 2.1.1B	requested icon could not be displayed]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
40		ENDED	
13	User \rightarrow ME	End the call	

Expected Sequence 2.3A (SEND DTMF, Alpha identifier & BASIC-ICON, not self-explanatory, successful)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 2.3.1	
5	ME → UICC		
6			[Alaba identifier & DACIC ICON, ast self
6	UICC → ME	PROACTIVE COMMAND: SEND DTMF 2.3.1	[Alpha identifier & BASIC-ICON, not self- explanatory]
7	$ME \rightarrow USER$	Display 'Send DTMF' and the	
		BASIC-ICON	
		Do not locally generate audible	
		DTMF tones and play them to the	
		user.	FII 4 II 3
8	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20 %
10	, ,	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 2.1.1A	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 2.3.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF"
DTMF String: "1" pause "2"

Icon identifier:

Icon qualifier: icon is not self-explanatory

Icon identifier: record 1 in $EF_{(IMG)}$

Coding:

BER-TLV:	D0	1C	81	03	01	14	00	82	02	81	83	85
	09	53	65	6E	64	20	44	54	4D	46	AC	02
	C1	F2	9E	02	01	01						

Expected Sequence 2.3B (SEND DTMF, Alpha identifier & BASIC-ICON, not self-explanatory, requested icon could not be displayed)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \rightarrow USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
_	ME 11100	PENDING: SEND DTMF 2.3.1	
5	ME → UICC		FALL 11 115 A BAGIO 100N 1 15
6	$UICC \to ME$	PROACTIVE COMMAND: SEND	[Alpha identifier & BASIC-ICON, not self-
7	ME HOED	DTMF 2.3.1	explanatory]
/	ME → USER	Display "Send DTMF" without the	
		icon	
		Do not locally generate audible	
		DTMF tones and play them to the user.	
8	ME → USS	Start DTMF 1.1	["1"]
9	ME → CCC	Otal Divil 1.1	No DTMF sending for 3 seconds ±20%
10	ME → USS	Start DTMF 1.2	["2"]
11		TERMINAL RESPONSE: SEND	[Command performed successfully, but
1	1012 / 0100	DTMF 2.1.1B	requested icon could not be displayed]
12	UICC → ME	PROACTIVE UICC SESSION	[
		ENDED	
13	$User \to ME$	End the call	

27.22.4.24.2.5 Test requirement

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

27.22.4.24.3 SEND DTMF (UCS2 display in Cyrillic)

27.22.4.24.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.3.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2 and clause 8.44.

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646. [17].

27.22.4.24.3.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND DTMF proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.24.3.4 Method of test

27.22.4.24.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.24.3.4.2 Procedure

Expected Sequence 3.1 (SEND DTMF, successful, UCS2 text in Cyrillic)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
5	$ME \to UICC$	PENDING: SEND DTMF 3.1.1	
_			
6	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 3.1.1	
7	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20%
10	,	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$		[Command performed successfully]
		DTMF 3.1.1	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Text: "ЗДРАВСТВУЙТЕ" DTMF String: "1" pause "2"

BER-TLV:	D0	28	81	03	01	14	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	AC	02	C1	F2						

TERMINAL RESPONSE: SEND DTMF 3.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successful

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.12.2.5 Test requirement

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

27.22.4.24.4 SEND DTMF (support of Text Attribute)

27.22.4.24.4.1 SEND DTMF (support of Text Attribute – Left Alignment)

27.22.4.24.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.1.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.1.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the left alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.1.4 Method of test

27.22.4.24.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.1.4.2 Procedure

Expected Sequence 4.1 (SEND DTMF, with text attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$User \rightarrow ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
4	$UICC \to ME$	message from the USS. PROACTIVE COMMAND PENDING: SEND DTMF 4.1.1	
5	$ME \to UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.1.1	
7	$ME \to USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with left alignment]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \to USS$	Start DTMF 1.2	["2"]
10	$ME \to USS$	Start DTMF 1.3	["3"]
11	$ME \to USS$	Start DTMF 1.4	["4"]
12	$ME \to USS$	Start DTMF 1.5	["5"]
13	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
14	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
15	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
16	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
17	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
19	$UICC \to ME$	DTMF 4.1.1 PROACTIVE UICC SESSION	
20	$User \to ME$	ENDED End the call	
21	$User \to ME$	Set up a call to "+0123456789"	
22	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.1.2	
25	$ME \to UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.1.2	
27	$ME \to USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/17, no alignment change will take place]
28	$ME \to USS$	Start DTMF 1.1	["1"]
29	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
30	$ME \to USS$	Start DTMF 1.3	["3"]
31	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
32	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
33	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
34	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
35	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
36	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
37		Start DTMF 1.9	["0"]
	$ME \rightarrow USS$		
38	ME → UICC	TERMINAL RESPONSE: SEND DTMF 4.1.1	[Command performed successfully]
39	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
40	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	00
	B4											

PROACTIVE COMMAND: SEND DTMF 4.1.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"
DTMF String: "1234567890"

Coding:

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.4.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.1.

27.22.4.24.4.2 SEND DTMF (support of Text Attribute – Center Alignment)

27.22.4.24.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.2.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.2.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the center alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.2.4 Method of test

27.22.4.24.4.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.2.4.2 Procedure

Expected Sequence 4.2 (SEND DTMF, with text attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$User \rightarrow ME$	Set up a call to "+0123456789"	
2	ME → USS	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.2.1	
5	$ME \rightarrow UICC$	FETCH	
6	UICC → ME	PROACTIVE COMMAND: SEND	
		DTMF 4.2.1	
7	ME → USER	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with center alignment]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \to USS$	Start DTMF 1.2	["2"]
10	$ME \to USS$	Start DTMF 1.3	["3"]
11	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
12	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
13	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
14	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
15		Start DTMF 1.7	
	ME → USS		["8"]
16	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
17	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DTMF 4.2.1	[Command performed successfully]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20	$User \to ME$	End the call	
21	$User \to ME$	Set up a call to "+0123456789"	
22	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.2.2	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.2.2	
27	$ME \to USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Message shall be formatted without center alignment. Remark: If center alignment is the ME"s default alignment as declared in table A.2/17, no alignment change will take place]
28	$ME \to USS$	Start DTMF 1.1	["1"]
29	$ME \to USS$	Start DTMF 1.2	["2"]
30	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
31	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
32	ME → USS	Start DTMF 1.5	["5"]
33	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
34	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
35			
	ME → USS	Start DTMF 1.8	["8"]
36	ME → USS	Start DTMF 1.9	["9"]
37	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
38	ME → UICC	TERMINAL RESPONSE: SEND DTMF 4.2.1	[Command performed successfully]
39	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
40	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	01
	B4											

PROACTIVE COMMAND: SEND DTMF 4.2.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Coding:

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.2.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.4.2.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.2.

27.22.4.24.4.3 SEND DTMF (support of Text Attribute – Right Alignment)

27.22.4.24.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.3.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.3.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the right alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.3.4 Method of test

27.22.4.24.4.3.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.3.4.2 Procedure

Expected Sequence 4.3 (SEND DTMF, with text attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$User \rightarrow ME$	Set up a call to "+0123456789"	
2	$ME \rightarrow USS$	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.3.1	
5	$ME \rightarrow UICC$	FETCH	
6	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
	OICC → IVIE	DTMF 4.3.1	
7	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with right
		Do not locally generate audible DTMF tones and play them to the user.	alignment]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
10	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
11	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
12	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
13	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
14	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
15	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
16	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
17	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
	WL → 0100	DTMF 4.3.1	[Command performed successfully]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20	$User \to ME$	End the call	
21	$User \to ME$	Set up a call to "+0123456789"	
22	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.3.2	
25		FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.3.2	
27	$ME \rightarrow USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Message shall be formatted without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/17, no alignment change will take place]
28	$ME \to USS$	Start DTMF 1.1	["1"]
29	$ME \to USS$	Start DTMF 1.2	["2"]
30	$ME \to USS$	Start DTMF 1.3	["3"]
31	$ME \to USS$	Start DTMF 1.4	["4"]
32	$ME \to USS$	Start DTMF 1.5	["5"]
33	$ME \to USS$	Start DTMF 1.6	["6"]
34	$ME \to USS$	Start DTMF 1.7	["7"]
35	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
36	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
37	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
38	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
	/ 0.00	DTMF 4.3.1	F
39	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
40	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	B0	02
	B4											

PROACTIVE COMMAND: SEND DTMF 4.3.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"
DTMF String: "1234567890"

Coding:

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.3.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00
												İ

27.22.4.24.4.3.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.3.

27.22.4.24.4.4 SEND DTMF (support of Text Attribute – Large Font Size)

27.22.4.24.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.4.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.4.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the large font size text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.4.4 Method of test

27.22.4.24.4.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.4.2 Procedure

Expected Sequence 4.4 (SEND DTMF, with text attribute – Large Font Size)

1			
	User \rightarrow ME	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.4.1	
5	$ME \to UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.4.1	
7	$ME \to USER$		[Alpha identifier is displayed with large font size]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \to USS$	Start DTMF 1.2	["2"]
10	$ME \to USS$		["3"]
11	$ME \to USS$		["4"]
12	$ME \to USS$		["5"]
13	$ME \rightarrow USS$		["6"]
14	$ME \rightarrow USS$		["7"]
15	$ME \rightarrow USS$		["8"]
16	$ME \rightarrow USS$		["9"]
17	$ME \rightarrow USS$		["0"]
18	$ME \rightarrow UICC$		[Command performed successfully]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20	$User \to ME$	End the call	
21	$User \to ME$	Set up a call to "+0123456789"	
22	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.4.2	
25	, 0.00	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.4.2	
27	ME → USER		[Alpha identifier is displayed with normal font size]
28	$ME \to USS$	Start DTMF 1.1	["1"]
29	$ME \to USS$	Start DTMF 1.2	["2"]
30	$ME \to USS$		["3"]
31	$ME \to USS$		["4"]
32	$ME \to USS$		["5"]
33	$ME \to USS$	Start DTMF 1.6	["6"]
34	$ME \to USS$	Start DTMF 1.7	["7"]
35	$ME \to USS$	Start DTMF 1.8	["8"]
36	$ME \to USS$		["9"]
37	$ME \to USS$	Start DTMF 1.10	["0"]
38	$ME \to UICC$	TERMINAL RESPONSE: SEND DTMF 4.4.1	[Command performed successfully]
39	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
40	$User \to ME$	End the call	
41	$User \to ME$	Set up a call to "+0123456789"	
42	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
43	$USS \to ME$	The ME receives the CONNECT message from the USS.	
44	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.4.1	

45	$ME \to UICC$	IEETOH	l I
46	$UICC \to UICC$	PROACTIVE COMMAND: SEND	
40	OICC → IVIE	DTMF 4.4.1	
47	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with large font
"'	IVIL -> USLIX	Do not locally generate audible	size
		DTMF tones and play them to the	0.201
		user.	
48	$ME \to USS$	Start DTMF 1.1	["1"]
49	$ME \to USS$	Start DTMF 1.2	["2"]
50	$ME \to USS$	Start DTMF 1.3	["3"]
51	$ME \to USS$	Start DTMF 1.4	["4"]
52	$ME \to USS$	Start DTMF 1.5	["5"]
53	$ME \to USS$	Start DTMF 1.6	["6"]
54	$ME \to USS$	Start DTMF 1.7	["7"]
55	$ME \to USS$	Start DTMF 1.8	["8"]
56	$ME \to USS$	Start DTMF 1.9	["9"]
57	$ME \to USS$	Start DTMF 1.10	["0"]
58	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.4.1	
59	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
60	User → ME	End the call	
61	User → ME	Set up a call to "+0123456789"	
62	$ME \rightarrow USS$	The ME attempts to set up a call to	
63	$USS \to ME$	"+0123456789" The ME receives the CONNECT	
0.5		message from the USS.	
64	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: SEND DTMF 4.4.3	
65	$ME \to UICC$	FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.4.3	
67	$ME \to USER$	Display "Send DTMF"	[Alpha identifier is displayed with normal font
		Do not locally generate audible	size]
		DTMF tones and play them to the	
	NAT LIGG	user.	FII 4 II 3
68	ME → USS	Start DTMF 1.1	["1"]
69	ME → USS	Start DTMF 1.2	["2"]
70	ME → USS	Start DTMF 1.3	["3"]
71	ME → USS	Start DTMF 1.4	["4"]
72	ME → USS	Start DTMF 1.5	["5"]
73	ME → USS		["6"]
74	ME → USS	Start DTMF 1.7	["7"]
75 76	ME → USS	Start DTMF 1.8	["8"]
76 77	ME → USS	Start DTMF 1.9 Start DTMF 1.10	["9"] ["0"]
	ME → USS	TERMINAL RESPONSE: SEND	["0"] [Command performed successfully]
78	$ME \rightarrow UICC$	DTMF 4.4.1	[Command performed successfully]
79	$UICC \to ME$	PROACTIVE UICC SESSION	
13		ENDED	
80	User → ME	End the call	
	· · · · · -	1	

PROACTIVE COMMAND: SEND DTMF 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	04
	B4											

PROACTIVE COMMAND: SEND DTMF 4.4.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09	D0	04	00	0B	00
	B4											

PROACTIVE COMMAND: SEND DTMF 4.4.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	33
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.4.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.4.4.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.4.

27.22.4.24.4.5 SEND DTMF (support of Text Attribute – Small Font Size)

27.22.4.24.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.5.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.5.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the small font size text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.5.4 Method of test

27.22.4.24.4.5.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.5.4.2 Procedure

Expected Sequence 4.5 (SEND DTMF, with text attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$User \rightarrow ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.5.1	
5	$ME \to UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.5.1	
7	$ME \to USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with small font size]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
10	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
11	ME → USS	Start DTMF 1.4	["4"]
12	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
13	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
14	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
15		Start DTMF 1.7	
	ME → USS		["8"]
16 17	ME → USS	Start DTMF 1.9 Start DTMF 1.10	["9"]
	ME → USS		["0"]
18	ME → UICC	TERMINAL RESPONSE: SEND DTMF 4.5.1	[Command performed successfully]
19	UICC → ME	PROACTIVE UICC SESSION ENDED	
20	User → ME	End the call	
21	User → ME	Set up a call to "+0123456789"	
22	ME → USS	The ME attempts to set up a call to "+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.5.2	
25	$ME \to UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.5.2	
27	$ME \to USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with normal font size]
28	$ME \to USS$	Start DTMF 1.1	["1"]
29	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
30	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
31	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
32	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
33	$ME \to USS$	Start DTMF 1.6	["6"]
34	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
35	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
36	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
37	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
38	ME → UICC	TERMINAL RESPONSE: SEND DTMF 4.5.1	[Command performed successfully]
39	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
40	$User \to ME$	End the call	
41	User → ME	Set up a call to "+0123456789"	
42	ME → USS	The ME attempts to set up a call to "+0123456789"	
43	$USS \to ME$	The ME receives the CONNECT message from the USS.	
44	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.5.1	

45	$ME \to UICC$	leetch	l I
46		PROACTIVE COMMAND: SEND	
40		DTMF 4.5.1	
47	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with small font
	, 001.1	Do not locally generate audible	size]
		DTMF tones and play them to the	•
		user.	
48	$ME \to USS$	Start DTMF 1.1	["1"]
49	$ME \to USS$	Start DTMF 1.2	["2"]
50	$ME \to USS$	Start DTMF 1.3	["3"]
51	$ME \to USS$	Start DTMF 1.4	["4"]
52	$ME \to USS$	Start DTMF 1.5	["5"]
53	$ME \to USS$	Start DTMF 1.6	["6"]
54	$ME \to USS$	Start DTMF 1.7	["7"]
55	$ME \to USS$	Start DTMF 1.8	["8"]
56	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
57	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
58	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.5.1	
59	$UICC \to ME$	PROACTIVE UICC SESSION	
60	Llaam . ME	ENDED End the call	
60 61	User → ME	Set up a call to "+0123456789"	
62	$\begin{array}{c} User \to ME \\ ME \to USS \end{array}$	The ME attempts to set up a call to	
02	IVIE → USS	"+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
	000 7 WIE	message from the USS.	
64	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.5.3	
65	$ME \rightarrow UICC$	FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.5.3	
67	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with normal font
		Do not locally generate audible	size]
		DTMF tones and play them to the	
68	$ME \to USS$	user. Start DTMF 1.1	["1"]
69	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
70	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
71	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
72	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
73	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
74	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
75	ME → USS	Start DTMF 1.8	["8"]
76	ME → USS	Start DTMF 1.9	["9"]
77	ME → USS	Start DTMF 1.10	["0"]
78	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
	, 0.00	DTMF 4.5.1	L
79	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
80	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	80
	B4											

PROACTIVE COMMAND: SEND DTMF 4.5.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09	D0	04	00	0B	00
	B4											

PROACTIVE COMMAND: SEND DTMF 4.5.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	33
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.5.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.4.5.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.5.

27.22.4.24.4.6 SEND DTMF (support of Text Attribute – Bold On)

27.22.4.24.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.6.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.6.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the bold text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.6.4 Method of test

27.22.4.24.4.6.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.6.4.2 Procedure

Expected Sequence 4.6 (SEND DTMF, with text attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
_		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
E	ME	PENDING: SEND DTMF 4.6.1 FETCH	
5			
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.6.1	
7	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with bold on]
,	IVIE → USER	Do not locally generate audible	[[Alpha identifier is displayed with bold on]
		DTMF tones and play them to the	
		user.	
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
10	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
11	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
12	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
13	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
14	ME → USS	Start DTMF 1.7	["7"]
15	ME → USS	Start DTMF 1.8	["8"]
16	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
17	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
10	IVIE → UICC	DTMF 4.6.1	
19	$UICC \to ME$	PROACTIVE UICC SESSION	
10	OIOO / IVIL	ENDED	
20	$User \to ME$	End the call	
21	User → ME	Set up a call to "+0123456789"	
22	ME → USS	The ME attempts to set up a call to	
	ME 7 000	"+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.6.2	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.6.2	
27	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with bold off]
		Do not locally generate audible	
		DTMF tones and play them to the	
28	$ME \to USS$	user. Start DTMF 1.1	["1"]
26 29	$ME \rightarrow USS$	Start DTMF 1.1	['] ["2"]
30	$ME \rightarrow USS$	Start DTMF 1.2 Start DTMF 1.3	[2] ["3"]
31	$ME \rightarrow USS$	Start DTMF 1.3	[3] ["4"]
32	$ME \rightarrow USS$	Start DTMF 1.4	[4] ["5"]
33	$ME \rightarrow USS$	Start DTMF 1.6	[5] ["6"]
33 34	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
3 4 35	$ME \rightarrow USS$	Start DTMF 1.7	["8"]
36	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
37	$ME \rightarrow USS$ $ME \rightarrow USS$	Start DTMF 1.9 Start DTMF 1.10	["0"]
38	$ME \rightarrow USS$	TERMINAL RESPONSE: SEND	[Command performed successfully]
30	IVIE → UICC	DTMF 4.6.1	
39	$UICC \to ME$	PROACTIVE UICC SESSION	
55	JIJJ → IVIE	ENDED	
40	$User \to ME$	End the call	
	User → ME	Set up a call to "+0123456789"	
41		•	
41 42		The ME attempts to set up a call to	
	ME → USS	The ME attempts to set up a call to "+0123456789"	
	$ME \to USS$		
42		"+0123456789"	
42	$ME \to USS$	"+0123456789" The ME receives the CONNECT	

45	$ME \to UICC$	IEETCH	l I
46	$UICC \to DICC$	PROACTIVE COMMAND: SEND	
40		DTMF 4.6.1	
47	$ME \rightarrow USER$		[Alpha identifier is displayed with bold on]
'	ML 700LK	Do not locally generate audible	[wp.na.nao.nmon no anopia, journam aona on j
		DTMF tones and play them to the	
		user.	
48	$ME \to USS$	Start DTMF 1.1	["1"]
49	$ME \to USS$	Start DTMF 1.2	["2"]
50	$ME \to USS$	Start DTMF 1.3	["3"]
51	$ME \to USS$	Start DTMF 1.4	["4"]
52	$ME \to USS$	Start DTMF 1.5	["5"]
53	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
54	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
55	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
56	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
57	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
58	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
50		DTMF 4.6.1	
59	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
60	User → ME	End the call	
61	User → ME	Set up a call to "+0123456789"	
62	ME → USS	The ME attempts to set up a call to	
02	WL 7000	"+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
64	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.6.3	
65		FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND	
67	ME LICED	DTMF 4.6.3	[Alpha identifier is displayed with held off]
07	$ME \rightarrow USER$	Display "Send DTMF" Do not locally generate audible	[Alpha identifier is displayed with bold off]
		DTMF tones and play them to the	
		user.	
68	$ME \to USS$	Start DTMF 1.1	["1"]
69	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
70	$ME \to USS$	Start DTMF 1.3	["3"]
71	$ME \to USS$	Start DTMF 1.4	["4"]
72	$ME \to USS$	Start DTMF 1.5	["5"]
73	$ME \to USS$	Start DTMF 1.6	["6"]
74	$ME \to USS$	Start DTMF 1.7	["7"]
75	$ME \to USS$	Start DTMF 1.8	["8"]
76	$ME \to USS$	Start DTMF 1.9	["9"]
77	$ME \to USS$	Start DTMF 1.10	["0"]
78	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.6.1	
79	$UICC \to ME$	PROACTIVE UICC SESSION	
00	Lines NAT	ENDED End the call	
80	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	10
	B4	00										

PROACTIVE COMMAND: SEND DTMF 4.6.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
1	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09	D0	04	00	0B	00
	B4											

PROACTIVE COMMAND: SEND DTMF 4.6.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	33
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.6.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.4.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.6.

27.22.4.24.4.7 SEND DTMF (support of Text Attribute – Italic On)

27.22.4.24.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.7.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.7.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the italic text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.7.4 Method of test

27.22.4.24.4.7.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.7.4.2 Procedure

Expected Sequence 4.7 (SEND DTMF, with text attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.7.1	
5	ME → UICC	FETCH	
6	UICC → ME	PROACTIVE COMMAND: SEND	
7	$ME \rightarrow USER$	Display "Send DTMF" Do not locally generate audible	[Alpha identifier is displayed with italic on]
		DTMF tones and play them to the user.	
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \to USS$	Start DTMF 1.2	["2"]
10	$ME \to USS$	Start DTMF 1.3	["3"]
11	$ME \to USS$	Start DTMF 1.4	["4"]
12	$ME \to USS$	Start DTMF 1.5	["5"]
13	$ME \to USS$	Start DTMF 1.6	["6"]
14	$ME \to USS$	Start DTMF 1.7	["7"]
15	$ME \to USS$	Start DTMF 1.8	["8"]
16	$ME \to USS$	Start DTMF 1.9	["9"]
17	$ME \to USS$	Start DTMF 1.10	["0"]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DTMF 4.7.1	[Command performed successfully]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20	$User \to ME$	End the call	
21	$User \rightarrow ME$	Set up a call to "+0123456789"	
22	$ME \rightarrow USS$	The ME attempts to set up a call to "+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.7.2	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.7.2	
27	ME → USER	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the	[Alpha identifier is displayed with italic off]
		user.	50.4.03
28	ME → USS	Start DTMF 1.1	["1"]
29	ME → USS	Start DTMF 1.2	["2"]
30	$\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$	Start DTMF 1.3 Start DTMF 1.4	["3"]
31		Start DTMF 1.4 Start DTMF 1.5	["4"]
32	ME → USS	Start DTMF 1.6	["5"] "6"]
33 34	ME → USS	Start DTMF 1.6 Start DTMF 1.7	["6"] ["7"]
35	$\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$	Start DTMF 1.7 Start DTMF 1.8	[7] ["8"]
36	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
37	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
38	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
39	$UICC \to ME$	DTMF 4.7.1 PROACTIVE UICC SESSION ENDED	
40	User → ME	End the call	
41	User → ME	Set up a call to "+0123456789"	
42	ME → USS	The ME attempts to set up a call to	
43	USS → ME	"+0123456789" The ME receives the CONNECT	
44	UICC → ME	message from the USS. PROACTIVE COMMAND	
	JIJU → IVIE	PENDING: SEND DTMF 4.7.1	

45	$ME \to UICC$	IEETCH	l I
46	$UICC \to DICC$	PROACTIVE COMMAND: SEND	
40		DTMF 4.7.1	
47	$ME \rightarrow USER$		[Alpha identifier is displayed with italic on]
'	ML 700ER	Do not locally generate audible	[wp.na.nas.nan is anspia) sa min mans sinj
		DTMF tones and play them to the	
		user.	
48	$ME \to USS$	Start DTMF 1.1	["1"]
49	$ME \to USS$	Start DTMF 1.2	["2"]
50	$ME \to USS$	Start DTMF 1.3	["3"]
51	$ME \to USS$	Start DTMF 1.4	["4"]
52	$ME \to USS$	Start DTMF 1.5	["5"]
53	$ME \to USS$	Start DTMF 1.6	["6"]
54	$ME \to USS$	Start DTMF 1.7	["7"]
55	$ME \to USS$	Start DTMF 1.8	["8"]
56	$ME \to USS$	Start DTMF 1.9	["9"]
57	$ME \to USS$	Start DTMF 1.10	["0"]
58	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
50	11100 ME	DTMF 4.7.1	
59	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
60	$User \to ME$	End the call	
61	User → ME	Set up a call to "+0123456789"	
62	ME → USS	The ME attempts to set up a call to	
02	WIE 7 000	"+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
64	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.7.3	
65		FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND	
67	ME LICED	DTMF 4.7.3 Display "Send DTMF"	[Alpha identifier is displayed with italic off]
07	$ME \rightarrow USER$	Do not locally generate audible	[Alpha identifier is displayed with italic on]
		DTMF tones and play them to the	
		user.	
68	$ME \to USS$	Start DTMF 1.1	["1"]
69	$ME \to USS$	Start DTMF 1.2	["2"]
70	$ME \to USS$	Start DTMF 1.3	["3"]
71	$ME \to USS$	Start DTMF 1.4	["4"]
72	$ME \to USS$	Start DTMF 1.5	["5"]
73	$ME \to USS$	Start DTMF 1.6	["6"]
74	$ME \to USS$	Start DTMF 1.7	["7"]
75	$ME \to USS$	Start DTMF 1.8	["8"]
76	$ME \to USS$	Start DTMF 1.9	["9"]
77	$ME \to USS$	Start DTMF 1.10	["0"]
78	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
70		DTMF 4.7.1	
79	$UICC \to ME$	PROACTIVE UICC SESSION	
80	User → ME	ENDED End the call	
00	USEI → IVIE	Litu tile call	

PROACTIVE COMMAND: SEND DTMF 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	20
	B4											

PROACTIVE COMMAND: SEND DTMF 4.7.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85	
	0B	53	65	6E	64	20	44	54	4D	46	20	32	
	AC	05	21	43	65	87	09	D0	04	00	0B	00	
	B4												

PROACTIVE COMMAND: SEND DTMF 4.7.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	33
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.7.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.4.7.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.7.

27.22.4.24.4.8 SEND DTMF (support of Text Attribute – Underline On)

27.22.4.24.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.8.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.8.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the underline text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.8.4 Method of test

27.22.4.24.4.8.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.8.4.2 Procedure

Expected Sequence 4.8 (SEND DTMF, with text attribute – Underline On)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments						
1	$User \to ME$	Set up a call to "+0123456789"							
2	$ME \to USS$	The ME attempts to set up a call to "+0123456789"							
3	$USS \to ME$	The ME receives the CONNECT message from the USS.							
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.8.1							
5	$ME \to UICC$	FETCH							
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.8.1							
7	$ME \to USER$	I	[Alpha identifier is displayed with underline on]						
8	$ME \to USS$	Start DTMF 1.1	["1"]						
9	$ME \to USS$	Start DTMF 1.2	["2"]						
10	$ME \to USS$		["3"]						
11	$ME \to USS$		["4"]						
12	$ME \to USS$		["5"]						
13	$ME \rightarrow USS$		["6"]						
14	$ME \rightarrow USS$		["7"]						
15	$ME \rightarrow USS$		["8"]						
16	$ME \rightarrow USS$		["9"]						
17	$ME \rightarrow USS$		["0"]						
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]						
19	$UICC \to ME$	DTMF 4.8.1 PROACTIVE UICC SESSION ENDED							
20	$User \to ME$	End the call							
21	$User \to ME$	Set up a call to "+0123456789"							
22	$ME \to USS$	The ME attempts to set up a call to "+0123456789"							
23	$USS \to ME$	The ME receives the CONNECT message from the USS.							
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.8.2							
25		FETCH							
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.8.2							
27	$ME \rightarrow USER$		[Alpha identifier is displayed with underline off]						
28	$ME \to USS$	Start DTMF 1.1	["1"]						
29	$ME \rightarrow USS$		["2"]						
30	$ME \to USS$		["3"]						
31	$ME \to USS$		["4"]						
32	$ME \to USS$		["5"]						
33	$ME \to USS$		["6"]						
34	$ME \rightarrow USS$	Start DTMF 1.7	["7"]						
35	$ME \rightarrow USS$		["8"]						
36	$ME \rightarrow USS$		["9"]						
37	$ME \to USS$		["0"]						
38	$ME \rightarrow UICC$		[Command performed successfully]						
39	$UICC \to ME$	PROACTIVE UICC SESSION ENDED							
40	$User \to ME$	End the call							
41	$User \to ME$	Set up a call to "+0123456789"							
42	$ME \to USS$	The ME attempts to set up a call to "+0123456789"							
43	$USS \to ME$	The ME receives the CONNECT message from the USS.							
44	$UICC \to ME$	PROAČTIVE COMMAND PENDING: SEND DTMF 4.8.1							

45	$ME \to UICC$	leetou	l I
46		PROACTIVE COMMAND: SEND	
40	OICC → IVIE	DTMF 4.8.1	
47	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with underline
71	IVIE → USEK	Do not locally generate audible	on]
		DTMF tones and play them to the	onj
		user.	
48	$ME \to USS$	Start DTMF 1.1	["1"]
49	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
50	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
51	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
52	$ME \to USS$	Start DTMF 1.5	["5"]
53	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
54	$ME \to USS$	Start DTMF 1.7	["7"]
55	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
56	$ME \to USS$	Start DTMF 1.9	["9"]
57	$ME \to USS$	Start DTMF 1.10	["0"]
58	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.8.1	
59	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
60	$User \to ME$	End the call	
61	User \rightarrow ME	Set up a call to "+0123456789"	
62	$ME \rightarrow USS$	The ME attempts to set up a call to	
		"+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
64	LUCC ME	message from the USS. PROACTIVE COMMAND	
04	$UICC \to ME$	PENDING: SEND DTMF 4.8.3	
65	$ME \rightarrow UICC$	FETCH	
66	UICC → ME	PROACTIVE COMMAND: SEND	
	OIOO / WIL	DTMF 4.8.3	
67	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with underline
		Do not locally generate audible	off]
		DTMF tones and play them to the	_
		user.	
68	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
69	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
70	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
71	$ME \to USS$	Start DTMF 1.4	["4"]
72	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
73	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
74	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
75	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
76	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
77	ME → USS	Start DTMF 1.10	["0"]
78	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
70	LUCC ME	DTMF 4.8.1	
79	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
80	User → ME	End the call	
00	USEI → IVIE	Life tall	

PROACTIVE COMMAND: SEND DTMF 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	40
	B4											

PROACTIVE COMMAND: SEND DTMF 4.8.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09	D0	04	00	0B	00
	B4											

PROACTIVE COMMAND: SEND DTMF 4.8.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

Coding:

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	33
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.8.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.4.8.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.8.

27.22.4.24.4.9 SEND DTMF (support of Text Attribute – Strikethrough On)

27.22.4.24.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.9.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.9.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the strikethrough text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.9.4 Method of test

27.22.4.24.4.9.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.9.4.2 Procedure

Expected Sequence 4.9 (SEND DTMF, with text attribute – Strikethrough On)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	User → ME	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
3	LICC - ME	"+0123456789" The ME receives the CONNECT	
3	$USS \to ME$	message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: SEND DTMF 4.9.1	
5	$ME \to UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.9.1	
7	$ME \to USER$	Display "Send DTMF"	[Alpha identifier is displayed with strikethrough
		Do not locally generate audible	on]
		DTMF tones and play them to the	
0	ME LICC	user. Start DTMF 1.1	["1"]
8 9	$ME \to USS$ $ME \to USS$	Start DTMF 1.1	['] ["2"]
10	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
11	$ME \rightarrow USS$	Start DTMF 1.4	[3] ["4"]
12	$ME \rightarrow USS$	Start DTMF 1.5	[- 1] ["5"]
13	$ME \rightarrow USS$	Start DTMF 1.6	[["6"]
14	ME → USS	Start DTMF 1.7	["7"]
15	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
16	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
17	ME → USS	Start DTMF 1.10	["0"]
18	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.9.1	
19	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
20	User → ME	End the call	
21	User → ME	Set up a call to "+0123456789"	
22	$ME \rightarrow USS$	The ME attempts to set up a call to "+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT	
25	USS → IVIE	message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.9.2	
25	$ME \to UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.9.2	
27	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with strikethrough
		Do not locally generate audible DTMF tones and play them to the	
		user.	
28	$ME \to USS$	Start DTMF 1.1	["1"]
29	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
30	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
31	$ME \to USS$	Start DTMF 1.4	["4"]
32	$ME \to USS$	Start DTMF 1.5	["5"]
33	$ME \to USS$	Start DTMF 1.6	["6"]
34	$ME \to USS$	Start DTMF 1.7	["7"]
35	$ME \to USS$	Start DTMF 1.8	["8"]
36	$ME \to USS$	Start DTMF 1.9	["9"]
37	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
38	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
20	LUCC ME	DTMF 4.9.1	
39	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
40	$User \to ME$	End the call	
41	User → ME	Set up a call to "+0123456789"	
42	ME → USS	The ME attempts to set up a call to	
		"+0123456789"	
43	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
44	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.9.1	

45	$ME \rightarrow UICC$	IEETCH	l I
46	$UICC \to ME$	PROACTIVE COMMAND: SEND	
40	OICC → IVIE	DTMF 4.9.1	
47	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with strikethrough
	WIE 7 OOLK	Do not locally generate audible	on]
		DTMF tones and play them to the	5
		user.	
48	$ME \to USS$	Start DTMF 1.1	["1"]
49	$ME \to USS$	Start DTMF 1.2	["2"]
50	$ME \to USS$	Start DTMF 1.3	["3"]
51	$ME \to USS$	Start DTMF 1.4	["4"]
52	$ME \to USS$	Start DTMF 1.5	["5"]
53	$ME \to USS$	Start DTMF 1.6	["6"]
54	$ME \to USS$	Start DTMF 1.7	["7"]
55	$ME \to USS$	Start DTMF 1.8	["8"]
56	$ME \to USS$	Start DTMF 1.9	["9"]
57	$ME \to USS$	Start DTMF 1.10	["0"]
58	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.9.1	
59	$UICC \to ME$	PROACTIVE UICC SESSION	
60	11	ENDED	
60 61	User → ME	End the call	
62	User → ME	Set up a call to "+0123456789"	
02	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
64	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.9.3	
65	$ME \rightarrow UICC$	FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.9.3	
67	ME → USER	Display "Send DTMF"	[Alpha identifier is displayed with strikethrough
07	IVIL -> USLIX	Do not locally generate audible	off]
		DTMF tones and play them to the	
		user.	
68	$ME \to USS$	Start DTMF 1.1	["1"]
69	$ME \to USS$	Start DTMF 1.2	["2"]
70	$ME \to USS$	Start DTMF 1.3	["3"]
71	$ME \to USS$	Start DTMF 1.4	["4"]
72	$ME \to USS$	Start DTMF 1.5	["5"]
73	$ME \to USS$	Start DTMF 1.6	["6"]
74	$ME \to USS$	Start DTMF 1.7	["7"]
75	$ME \to USS$	Start DTMF 1.8	["8"]
76	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
77	$ME \to USS$	Start DTMF 1.10	["0"]
78	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
70		DTMF 4.9.1	
79	$UICC \to ME$	PROACTIVE UICC SESSION	
80	Lloor MIT	ENDED End the call	
00	$User \to ME$	Lito tile call	

PROACTIVE COMMAND: SEND DTMF 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	80B
	B4											

PROACTIVE COMMAND: SEND DTMF 4.9.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 2"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09	D0	04	00	0B	00
	B4											

PROACTIVE COMMAND: SEND DTMF 4.9.3

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 3" DTMF String: "1234567890"

Coding:

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	33
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.9.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.4.9.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.9.

27.22.4.24.4.10 SEND DTMF (support of Text Attribute – Foreground and Background Colour)

27.22.4.24.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.10.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2, clause 8.44 and clause 8.70.

27.22.4.24.4.10.3 Test purpose

To verify that after a call has been successfully established the ME sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the ME does not locally generate audible DTMF tones and play them to the user.

To verify that if the ME is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the ME displays the text contained in the SEND DTMF proactive UICC command.

To verify that the ME displays the alpha identifier according to the foreground and background colour text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.10.4 Method of test

27.22.4.24.4.10.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The elementary files are coded as USIM 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 USS.

27.22.4.24.4.10.4.2 Procedure

Expected Sequence 4.10 (SEND DTMF, with text attribute – Foreground and Background Colour)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to "+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.10.1	
5	$ME \to UICC$	FETCH	
6		PROACTIVE COMMAND: SEND	
	5.55 / III_	DTMF 4.10.1	
7	$ME \to USER$	Display "Send DTMF"	[Alpha identifier is displayed with foreground
		Do not locally generate audible DTMF tones and play them to the user.	and background colour according to the text attribute configuration]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
10	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
11	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
12	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
13	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
14	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
15	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
16	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
17	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
18	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20	$User \to ME$	End the call	
21	User → ME	Set up a call to "+0123456789"	
22	ME → USS	The ME attempts to set up a call to	
23	USS → ME	"+0123456789" The ME receives the CONNECT	
23	USS → IVIE	message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.10.2	
25	$ME \to UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.10.2	
27	$ME \to USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with ME"s default foreground and background colour]
28	$ME \to USS$	Start DTMF 1.1	["1"]
29	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
30	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
31	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
32	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
33	$ME \rightarrow USS$	Start DTMF 1.6	["6"]
34	$ME \rightarrow USS$	Start DTMF 1.7	["7"]
35	$ME \rightarrow USS$	Start DTMF 1.8	["8"]
36	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
37	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
38	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
39	UICC → ME	DTMF 4.10.1 PROACTIVE UICC SESSION	
40	User → ME	ENDED End the call	
70	OSEI - IVIE		

PROACTIVE COMMAND: SEND DTMF 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "Send DTMF 1"

DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	23	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	31
	AC	05	21	43	65	87	09	D0	04	00	0B	00
	B4											

PROACTIVE COMMAND: SEND DTMF 4.10.2

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "Send DTMF 2"
DTMF String: "1234567890"

Coding:

BER-TLV:	D0	1D	81	03	01	14	00	82	02	81	83	85
	0B	53	65	6E	64	20	44	54	4D	46	20	32
	AC	05	21	43	65	87	09					

TERMINAL RESPONSE: SEND DTMF 4.10.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00
												İ

27.22.4.24.4.10.5 Test requirement

The ME shall operate in the manner defined in expected sequence 4.10.

27.22.4.24.5 SEND DTMF (UCS2 Display in Chinese)

27.22.4.24.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.5.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2 and clause 8.44.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters , as defined in:

- ISO/IEC 10646. [17].

27.22.4.24.5.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND DTMF proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.24.5.4 Method of test

27.22.4.24.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.24.5.4.2 Procedure

Expected Sequence 5.1 (SEND DTMF, successful, UCS2 text in Chinese)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
_		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
4	$UICC \to ME$	message from the USS. PROACTIVE COMMAND	
4	OICC → IVIE	PENDING: SEND DTMF 5.1.1	
5	$ME \to UICC$		
6		PROACTIVE COMMAND: SEND	
		DTMF 5.1.1	
7	$ME \to USER$	Display "你好"	["Hello" in Chinese]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20%
10	$ME \to USS$	Start DTMF 1.2	["2"]
11	$ME \to UICC$		[Command performed successfully]
1.0		DTMF 5.1.1	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
12	Lloor MC	ENDED	
13	User \rightarrow ME	End the call	

PROACTIVE COMMAND: SEND DTMF 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Text: "你好"
DTMF String: "1" pause "2"

Coding:

BER-TLV:	D0	14	81	03	01	14	00	82	02	81	83	85
	05	80	4F	60	59	7D	AC	02	C1	F2		

TERMINAL RESPONSE: SEND DTMF 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successful

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.5.5 Test requirement

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

27.22.4.24.6 SEND DTMF (UCS2 Display in Katakana)

27.22.4.24.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.6.2 Conformance requirement

The ME shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 31.111 [15] clause 6.1, clause 6.4.24, clause 6.6.24, clause 8.12.2, clause 5.2, clause 8.6, clause 8.7, clause 8.2 and clause 8.44.

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in:

- ISO/IEC 10646. [17].

27.22.4.24.6.3 Test purpose

To verify that the ME displays the UCS2 text contained in the SEND DTMF proactive UICC command, and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.24.6.4 Method of test

27.22.4.24.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as USIM Application Toolkit default.

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

27.22.4.24.6.4.2 Procedure

Expected Sequence 6.1 (SEND DTMF, successful, UCS2 text)

Some details of the DTMF protocol have been left out for clarity.

Step	Direction	MESSAGE / Action	Comments
1	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
3	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND	
_	ME	PENDING: SEND DTMF 6.1.1	
5	$ME \rightarrow UICC$		
6	$UICC \to ME$	PROACTIVE COMMAND: SEND	
_		DTMF 6.1.1	
7	$ME \rightarrow USER$	Display "ル"	[Character in Katakana]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20%
10	$ME \to USS$	Start DTMF 1.2	["2"]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 6.1.1	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Text: "ル"

DTMF String: "1" pause "2"

Coding:

BER-TLV:	D0	12	81	03	01	14	00	82	02	81	83	85
	03	80	30	EB	AC	02	C1	F2				

TERMINAL RESPONSE: SEND DTMF 6.1.1

Logically:

Command details

Command number: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successful

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

27.22.4.24.6.5 Test requirement

The ME shall operate in the manner defined in expected sequence 6.1.

27.22.4.25 LANGUAGE NOTIFICATION

27.22.4.25.1 Definition and applicability

See clause 3.2.2.

27.22.4.25.2 Conformance Requirement

The ME shall conclude the command by sending TERMINAL RESPONSE (OK) to the UICC, as soon as possible after receiving the LANGUAGE NOTIFICATION proactive UICC command.

- TS 31.111 [15] clause 6.4.25 and clause 6.6.25.

27.22.4.25.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (OK) to the UICC after the ME receives the LANGUAGE NOTIFICATION proactive UICC command.

27.22.4.25.4 Method of Test

27.22.4.25.4.1 Initial conditions

The ME is connected to the USIM 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.

27.22.4.25.4.2 Procedure

Expected Sequence 1.1 (LANGUAGE NOTIFICATION)

See ETSI TS 102 384 [26] in subclause 27.22.4.25.4.2, Expected Sequence 1.1.

Expected Sequence 1.2 (LANGUAGE NOTIFICATION)

See ETSI TS 102 384 [26] in subclause 27.22.4.25.4.2, Expected Sequence 1.2.

27.22.4.25.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 and 1.2.

27.22.4.26 LAUNCH BROWSER

27.22.4.26.1 LAUNCH BROWSER (No session already launched)

27.22.4.26.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.1.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15 and clause 8.31.

27.22.4.26.1.3 Test purpose

To verify that when the ME is in idle state, it launches properly the browser session required in LAUNCH BROWSER, and returns a successful result in the TERMINAL RESPONSE command.

27.22.4.26.1.4 Method of test

27.22.4.26.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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 browser 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 browser parameters.

The mobile is in idle mode.

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
		1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 1.1.1	if not already launched", no null alpha id.]
4	$ME \to USER$	ME displays the alpha identifier	
5	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
		launch browser.	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 1.1.1	
7	$ME { ightarrow} USS$	The ME attempts to launch the	
		session with the default browser	
_		parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$USER \to ME$	The user verifies that the default	
		browser 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:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
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	75	6C	74	20	55
	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 launched

Device identities

Source device: ME
Destination device: UICC

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)

Direction	MESSAGE / Action	Comments
ME		[the ME is in idle mode]
$UICC \to ME$	PROACTIVE COMMAND	
	PENDING: LAUNCH BROWSER	
	1.2.1	
$ME \rightarrow UICC$	FETCH	
$UICC \to ME$	PROACTIVE COMMAND:	[connect to defined URL, "launch browser, if
	LAUNCH BROWSER 1.2.1	not already launched, alpha identifier
		length=0]
$ME \rightarrow USER$		
	1	
$USER \to ME$		[option: user confirmation]
$ME \rightarrow UICC$		[Command performed successfully]
ME LICO		
ME-055	<u>'</u>	
	•	
LIICC ME		
OICC → IVIE		
LISED \ ME		
OSLIN - IVIL		
	' '	
	•	
	$\begin{tabular}{ll} ME \\ UICC \to ME \\ \hline ME \to UICC \\ UICC \to ME \\ \hline ME \to USER \\ USER \to ME \\ \hline ME \to UICC \\ \hline ME \to USS \\ \hline UICC \to ME \\ \hline \end{tabular}$	ME UICC → ME PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.2.1 ME → UICC FETCH PROACTIVE COMMAND: LAUNCH BROWSER 1.2.1 ME → USER No information should be displayed. USER → ME UICC TERMINAL RESPONSE: LAUNCH BROWSER 1.2.1 ME→USS THE ME attempts to connect the URL specified in the LAUNCH BROWSER command. UICC → ME PROACTIVE UICC SESSION ENDED

PROACTIVE COMMAND: LAUNCH BROWSER 1.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC 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 browser 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 launched

Device identities

Source device: ME
Destination device: UICC

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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
		1.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 1.3.1	if not already launched, browser identity]
4	$ME \to USER$	ME may display a default message	
		of its own.	
5	$USER \to ME$	The user may confirm the launch	[option: user confirmation]
		browser.	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 1.3.1	
7	$ME \rightarrow USS$	The ME attempts to connect the	
		default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
_		ENDED	
9	$USER \to ME$	The user verifies that the default	
		browser 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 launched

Device identities

Source device: UICC
Destination device: ME
Browser Identity default
URL empty

Coding::

BER-TLV:	D0	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 launched

Device identities

Source device: ME
Destination device: UICC

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, only GPRS bearer specified and gateway/proxy identity, GPRS supported by USS)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode], GPRS supported by USS, GPRS supported by the ME and activated]
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 1.4.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	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	$ME \to USER$	ME may display a default message	
5	$USER \to ME$	The user may confirm the launch browser.	[option: user confirmation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 1.4.1	[Command performed successfully]
7	ME→USS	The ME attempts to connect the default URL using the requested bearer and proxy identity	
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the browser 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 launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Bearer GPRS

Gateway/Proxy id

DCSunpacked, 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	04	61	62	63	2E	64
	65	66	2E	67	68	69						

TERMINAL RESPONSE: LAUNCH BROWSER 1.4.1

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 1.5 Void

27.22.4.26.1.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.4

27.22.4.26.2 LAUNCH BROWSER (Interaction with current session)

27.22.4.26.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.2.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

27.22.4.26.2.3 Test purpose

To verify that when the ME is already busy in a browser session, it launches properly the browser session required in LAUNCH BROWSER, and returns a successful result in the TERMINAL RESPONSE.

27.22.4.26.2.4 Method of test

27.22.4.26.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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 browser 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 browser session, the user navigates in pages different from the URL defined by default in browser 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		[Browser is in use, the current session is not
		session (not default URL).	secured]
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
2	ME	2.1.1 FETCH	
2	L / 0.00		
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "use the existing
			browser", no null alpha id.]
4		ME displays the alpha identifier	
5	$USER \to ME$	The user confirms the launch	[user confirmation]
		browser.	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 2.1.1	
7	$ME { ightarrow} USS$	The ME does not close the existing	
		session and attempts to connect	
		the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$USER \to ME$	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: UICC
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	75	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: UICC

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		[Browser is in use, the current session is not
		session (not default URL)	secured]
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
2	ME	2.2.1 FETCH	
2	11.12	. = . •	form and the three defends LIDI. Welcome the
3	$UICC \to ME$	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 → LISER	ME displays the alpha identifier	browser session, no null alpha lu.j
5			[user confirmation]
	OOLIN → IVIL	browser.	[user committation]
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 2.2.1	. , , , , , , , , , , , , , , , , , , ,
7	$ME { ightarrow} USS$	The ME closes the existing	
		session and attempts to launch the	
		session with the default browser	
		parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
9	HOED ME	ENDED The user verifies that the default	
9	$USER \to ME$	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 sessionDevice identities

Source device: UICC
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	75	6C	74	20	55
	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: UICC

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 browser	[Browser is in use, the current session is not
1	$UICC \to ME$	session (not default URL) PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.3.1	secured]
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
			if not already launched]
4	$ME \rightarrow UICC$	BROWSER 2.3.1	[ME unable to process command - browser
5	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	unavailable]
6	$USER \to ME$	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 launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Coding:

BER-TLV:	D0	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 launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: 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 display in Cyrillic)

27.22.4.26.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.3.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

Additionally the ME shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [17].

27.22.4.26.3.3 Test purpose

To verify that the ME performs a proper user confirmation with an USC2 alpha identifier, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.3.4 Method of test

27.22.4.26.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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 browser 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 browser parameters.

The mobile is busy in a browser 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, UCS2 in Cyrillic)

Step	Direction	MESSAGE / Action	Comments
0	ME	The user is navigating in a browser	[Browser is in use, the current session is not
1	$UICC \to ME$	session (not default URL) PROACTIVE COMMAND PENDING: LAUNCH BROWSER 3.1.1	secured]]
2	$ME \rightarrow UICC$	FETCH	
3		PROACTIVE COMMAND: LAUNCH BROWSER 3.1.1	[connect to the default URL, "use the existing browser", alpha id. In UCS2]
4	$ME \to USER$	ME displays the alpha identifier "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
5	$USER \to ME$	The user confirms the launch browser.	[user confirmation]
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 3.1.1	[Command performed successfully]
7	ME→USS	The ME does not close the existing session and attempts to connect the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	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 3.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier

Data coding scheme: UCS2 (16 bits)
Text: "ЗДРАВСТВУЙТЕ"

Coding:

BER-TLV:	D0	26	81	03	01	15	02	82	02	81	82	31
	00	05	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								

TERMINAL RESPONSE: LAUNCH BROWSER 3.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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)

27.22.4.26.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.4.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

27.22.4.26.4.3 Test purpose

To verify that the ME performs a proper user confirmation with an icon identifier, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.4.4 Method of test

27.22.4.26.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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 browser 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 browser parameters.

The mobile is busy in a browser session, the user navigates in pages different from the URL defined by default in browser 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	$UICC \to ME$	PROACTIVE COMMAND	[Browser is in use, the current session is not
		PENDING: LAUNCH BROWSER	secured]]
		4.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "use the existing
		LAUNCH BROWSER 4.1.1	browser", no null alpha id.]
4	$ME \to USER$	ME displays the alpha identifier	["Not self explan."]
		and the icon	
5	$USER \to ME$	The user confirms the launch	[user confirmation]
		browser.	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 4.1.1 A	
7	$ME { ightarrow} USS$	The ME does not close the existing	
		session and attempts to connect	
_		the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$USER \to ME$	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 4.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Not self explan."

Icon identifier:

 $\begin{array}{ll} \text{Icon qualifier:} & \text{not self-explanatory} \\ \text{Icon identifier:} & \text{record 1 in } \text{EF}_{\text{(IMG)}} \\ \end{array}$

Coding:

BER-TLV:	D0	21	81	03	01	15	02	82	02	81	82	31
	00	05	10	4E	6F	74	20	73	65	6C	66	20
	65	78	70	6C	61	6E	2E	1E	02	01	01	

TERMINAL RESPONSE: LAUNCH BROWSER 4.1.1 A

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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	$UICC \to ME$	PROACTIVE COMMAND	[Browser is in use, the current session is not
		PENDING: LAUNCH BROWSER	secured]]
		4.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "use the existing
			browser", no null alpha id.]
4	$ME \rightarrow USER$		["Not self explan."]
		Without the icon	
5	$USER \to ME$		[user confirmation]
		browser.	
6	$ME \rightarrow UICC$		[Command performed successfully but
			requested icon could not be displayed]
7	ME→USS	The ME does not close the existing	
		session and attempts to connect	
		the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$USER \to ME$	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: UICC

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	04
												İ

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	[Browser is in use, the current session is not
		PENDING: LAUNCH BROWSER	secured]]
		4.2.1	
2	L / 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "use the existing
		LAUNCH BROWSER 4.2.1	browser", alpha id. In UCS2]
4		ME displays only the icon	["Self explan."]
5	$USER \to ME$	The user confirms the launch	[user confirmation]
		browser.	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
_		BROWSER 4.2.1 A	
7	ME→USS	The ME does not close the existing	
		session and attempts to connect	
0	11100 145	the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default	
9	USER → IVIE	URL is connected; and the	
		previous URL can be retrieved.	
		Then he/she ends the navigation	
		with the default URL.	
		with the delatit OIL.	

PROACTIVE COMMAND: LAUNCH BROWSER 4.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC

Destination device: ME

URL empty

Alpha Identifier

"Self explan."

Icon identifier:

 $\begin{array}{ll} \mbox{Icon qualifier:} & \mbox{self-explanatory} \\ \mbox{Icon identifier:} & \mbox{record 1 in } \mbox{EF}_{(IMG)} \\ \end{array}$

Coding:

BER-TLV:	D0	1D	81	03	01	15	02	82	02	81	82	31
	00	05	0C	53	65	6C	66	20	65	78	70	6C
	61	6E	2E	1E	02	00	01					

TERMINAL RESPONSE: LAUNCH BROWSER 4.2.1 A

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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	$UICC \to ME$	PROACTIVE COMMAND	[Browser is in use, the current session is not
			secured]]
		4.2.1	
2		FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "use the existing
			browser", alpha id. In UCS2]
4	$ME \rightarrow USER$	ME displays only the alpha	["Self explan."]
_		identifier	
5	$USER \to ME$	_	[user confirmation]
		browser.	[O
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	- · · ·
		BROWSER 4.2.1 B	[Command performed successfully but requested icon could not be displayed]
7	ME→USS	The ME does not close the existing	requested icon could not be displayed]
'	WE→USS	session and attempts to connect	
		the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
	0100 / 11112	ENDED	
9	$USER \to ME$	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: UICC

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	04

27.22.4.26.3.5 Test Requirement

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

27.22.4.26.5 LAUNCH BROWSER (support of Text Attribute)

27.22.4.26.5.1 LAUNCH BROWSER (support of Text Attribute – Left Alignment)

27.22.4.26.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.1.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111[15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.1.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the left alignment text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.1.4 Method of test

27.22.4.26.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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 ME is in idle mode.

27.22.4.26.5.1.4.2 Procedure

Expected Sequence 5.1 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	UICC → ME	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
	0.00 /	LAUNCH BROWSER 5.1.1	if not already launched", no null alpha id]
4	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with left alignment]
5	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.1.1	[Command performed successfully]
7	ME→USS	The ME attempts to launch the session with the default Wap parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default Wap session is properly established.	
10	$UICC \to ME$	Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.1.2	
11	$ME \rightarrow UICC$	FETCH	
12	UICC → ME	PROACTIVE COMMAND: LAUNCH BROWSER 5.1.2	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
13	$ME \to USER$		[Message shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/18, no alignment change will take place]
14	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
15	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.1.1	[Command performed successfully]
16	$ME \to USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
18	$USER \to ME$	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 5.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.1.2

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 2"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32								

TERMINAL RESPONSE: LAUNCH BROWSER 5.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.4.26.5.1.5 Test Requirement

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

27.22.4.26.5.2 LAUNCH BROWSER (support of Text Attribute – Center Alignment)

27.22.4.26.5.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.2.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.2.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the center alignment text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.2.4 Method of test

27.22.4.26.5.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.2.4.2 Procedure

Expected Sequence 5.2 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
		5.2.1	
2	$ME \to UICC$	FETCH	
3	$UICC \rightarrow ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.2.1	if not already launched", no null alpha id]
4	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with center
5	$USER \to ME$	The user may have to confirm the	alignment] [option: user confirmation]
		launch browser.	,
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.2.1	[Command performed successfully]
7	ME→USS	The ME attempts to launch the	
		session with the default Wap	
		parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default	
		Wap session is properly	
		established.	
		Then he/she ends the navigation.	
40		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
		5.2.2	
11	$ME \to UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.2.2	if not already launched", no null alpha id]
13	$ME \rightarrow USER$	ME displays the alpha identifier	[Message shall be formatted without center
			alignment. Remark: If center alignment is the ME"s default alignment as declared in table
			A.2/18, no alignment change will take place
14	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
		launch browser.	,
15	$ME \to UICC$		[Command performed successfully]
16	ME . UCC	BROWSER 5.2.1	
16	$ME \rightarrow USS$	The ME attempts to launch the session with the default Wap	
		parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION	
	· · · · ·	ENDED	
18	$USER \to ME$	The user verifies that the default	
1		Wap session is properly	
		established.	
		Then he/she ends the navigation. The ME returns in idle mode.	
		THE ME TELUTION IN MIE MOUE.	

PROACTIVE COMMAND: LAUNCH BROWSER 5.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	01	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.2.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 2"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32								

TERMINAL RESPONSE: LAUNCH BROWSER 5.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.4.26.5.2.5 Test Requirement

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

27.22.4.26.5.3 LAUNCH BROWSER (support of Text Attribute – Right Alignment)

27.22.4.26.5.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.3.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.3.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the right alignment text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.3.4 Method of test

27.22.4.26.5.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.3.4.2 Procedure

Expected Sequence 5.3 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.3.1	-
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
4	$ME \to USER$	LAUNCH BROWSER 5.3.1 ME displays the alpha identifier	[alpha identifier is displayed with right alignment]
5	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.3.1	[Command performed successfully]
7	ME→USS	The ME attempts to launch the session with the default Wap parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.3.2	
11	$ME \to UICC$	FETCH	
12	UICC → ME	PROACTIVE COMMAND: LAUNCH BROWSER 5.3.2	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
13	$ME \to USER$	ME displays the alpha identifier	[Message shall be formatted without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/18, no alignment change will take place]
14	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
15	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.3.1	[Command performed successfully]
16	$ME \to USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
18	$USER \to ME$	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 5.3.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	02	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.3.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 2"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32								

TERMINAL RESPONSE: LAUNCH BROWSER 5.3.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.4.26.5.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.3.

27.22.4.26.5.4 LAUNCH BROWSER (support of Text Attribute – Large Font Size)

27.22.4.26.5.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.4.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.&&& [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.4.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the large font size text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.4.4 Method of test

27.22.4.26.5.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.4.4.2 Procedure

Expected Sequence 5.4 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.4.1	
2	$ME \to UICC$	FETCH	
3		PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
4	$ME \to USER$	LAUNCH BROWSER 5.4.1 ME displays the alpha identifier	if not already launched", no null alpha id] [alpha identifier is displayed with large font
5	$USER \to ME$	The user may have to confirm the launch browser.	size] [option: user confirmation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1	[Command performed successfully]
7	ME→USS	The ME attempts to launch the session with the default Wap	
8	$UICC \to ME$	parameters and the default URL. PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default Wap session is properly	
10	$UICC \to ME$	established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
11	ME LUCC	5.4.2 FETCH	
12		PROACTIVE COMMAND:	connect to the default URL, "launch browser,
	UICC → IVIE	LAUNCH BROWSER 5.4.2	if not already launched", no null alpha id]
13	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with normal font size]
14	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1	[Command performed successfully]
16	ME → USS	The ME attempts to launch the session with the default Wap parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
18	$USER \to ME$	The user verifies that the default Wap session is properly established. Then he/she ends the navigation.	
19	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.4.1	
20	$ME \to UICC$	FETCH	
21		PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
22	$ME \to USER$	LAUNCH BROWSER 5.4.1 ME displays the alpha identifier	if not already launched", no null alpha id] [alpha identifier is displayed with large font size]
23	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
24	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1	[Command performed successfully]
25	ME USS	The ME attempts to launch the session with the default Wap	
26		parameters and the default URL. PROACTIVE UICC SESSION ENDED	

27	$USER \to ME$	The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.4.3	
29	$ME \to UICC$	FETCH	
30	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.4.3	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
31	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with normal font size]
32	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
33	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1	[Command performed successfully]
34	$ME \to USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
35	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
36	$USER \to ME$	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 5.4.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	04	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.4.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.4.3

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	33								

TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.4.26.5.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.4.

27.22.4.26.5.5 LAUNCH BROWSER (support of Text Attribute – Small Font Size)

27.22.4.26.5.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.5.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.5.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the small font size text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.5.4 Method of test

27.22.4.26.5.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.5.4.2 Procedure

Expected Sequence 5.5 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.5.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
4	$ME \to USER$	LAUNCH BROWSER 5.5.1 ME displays the alpha identifier	if not already launched", no null alpha id] [alpha identifier is displayed with small font size]
5	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
6	$ME \to UICC$		[Command performed successfully]
7	ME→USS	The ME attempts to launch the session with the default Wap	
8	$UICC \to ME$	parameters and the default URL. PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default Wap session is properly	
10	$UICC \to ME$	established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
11	$ME \to UICC$	5.5.2 FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND:	connect to the default URL, "launch browser,
13	ME → USER	LAUNCH BROWSER 5.5.2 ME displays the alpha identifier	if not already launched", no null alpha id] [alpha identifier is displayed with normal font
14	$USER \to ME$	The user may have to confirm the launch browser.	size] [option: user confirmation]
15	$ME \to UICC$		[Command performed successfully]
16	$ME \to USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
18	$USER \to ME$	The user verifies that the default Wap session is properly established.	
19	$UICC \to ME$	Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.5.1	
20	$ME \to UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
22	$ME \to USER$	ME displays the alpha identifier	if not already launched", no null alpha id] [alpha identifier is displayed with small font size]
23	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
24	$ME \to UICC$	BROWSER 5.5.1	[Command performed successfully]
25	ME USS	The ME attempts to launch the session with the default Wap	
26	$UICC \to ME$	parameters and the default URL. PROACTIVE UICC SESSION ENDED	

27	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.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.5.3	
29	$ME \to UICC$	FETCH	
30	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.5.3	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
31	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with normal font size]
32	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
33	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1	[Command performed successfully]
34	$ME \rightarrow USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
35	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
36	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 5.5.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	08	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.5.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.5.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	33								

TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.4.26.5.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.5.

27.22.4.26.5.6 LAUNCH BROWSER (support of Text Attribute – Bold on)

27.22.4.26.5.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.6.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.6.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the bold text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.6.4 Method of test

27.22.4.26.5.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.6.4.2 Procedure

Expected Sequence 5.6 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
2	$ME \to UICC$	5.6.1 FETCH	
3	UICC → ME	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
	OIOO IVIL	LAUNCH BROWSER 5.6.1	if not already launched", no null alpha id]
4	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with bold on]
5	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
		launch browser.	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
7	$ME { ightarrow} USS$	BROWSER 5.6.1 The ME attempts to launch the	
'	WL →000	session with the default Wap	
		parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED ::	
9	$USER \to ME$	The user verifies that the default Wap session is properly	
		lestablished.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
11	$ME \to UICC$	5.6.2 FETCH	
12		PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
	0100 / III.	LAUNCH BROWSER 5.6.2	if not already launched", no null alpha id]
13	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with bold off]
14	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
15	ME . LUCC	launch browser.	[Command performed augeografully]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.6.1	[Command performed successfully]
16	$ME \to USS$	The ME attempts to launch the	
		session with the default Wap	
		parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
18	$USER \to ME$	The user verifies that the default	
	OOLIN IVIL	Wap session is properly	
		established.	
		Then he/she ends the navigation.	
10	LUCC - ME	The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
		5.6.1	
20	$ME \to UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
	ME LIGES	LAUNCH BROWSER 5.6.1	if not already launched", no null alpha id
22 23	ME → USER	ME displays the alpha identifier The user may have to confirm the	[alpha identifier is displayed with bold on] [option: user confirmation]
23	$USER \to ME$	launch browser.	[option: user committation]
24	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 5.6.1	·
25	ME USS	The ME attempts to launch the	
		session with the default Wap	
26	$UICC \to ME$	parameters and the default URL. PROACTIVE UICC SESSION	
20		ENDED	
1		!	ı

27	$USER \to ME$	The user verifies that the default Wap session is properly established. Then he/she ends the navigation.	
28	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.6.3	
29	$ME \rightarrow UICC$	FETCH	
30	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.6.3	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
31	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with bold off]
32	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
33	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.6.1	[Command performed successfully]
34	$ME \to USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
35	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
36	$USER \to ME$	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 5.6.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	10	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.6.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.6.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	33								

TERMINAL RESPONSE: LAUNCH BROWSER 5.6.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.4.26.5.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.6.

27.22.4.26.5.7 LAUNCH BROWSER (support of Text Attribute – Italic On)

27.22.4.26.5.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.7.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.7.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the italic text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.7.4 Method of test

27.22.4.26.5.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.7.4.2 Procedure

Expected Sequence 5.7 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER	
		5.7.1	
2		FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.7.1	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
4	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with italic on]
5	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
		launch browser.	,
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.7.1	[Command performed successfully]
7	$ME{ ightarrow}USS$	The ME attempts to launch the	
		session with the default Wap parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
	OIOO IVIL	ENDED	
9	$USER \to ME$	The user verifies that the default	
		Wap session is properly	
		established. Then he/she ends the navigation.	
		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
l		5.7.2	
11		FETCH	I seem and to the default LIDI. Howards brewer
12	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.7.2	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
13	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with italic off]
14	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
4.5		launch browser.	IO-managed manifestors and access and all 1
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.7.1	[Command performed successfully]
16	$ME \to USS$	The ME attempts to launch the	
	,	session with the default Wap	
		parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
18	$USER \to ME$	The user verifies that the default	
	00111 / 1111	Wap session is properly	
		established.	
		Then he/she ends the navigation.	
19	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND	
	OIOO IVIL	PENDING: LAUNCH BROWSER	
		5.7.1	
20	ME → UICC	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.7.1	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
22	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with italic on]
23	$USER \rightarrow ME$	The user may have to confirm the	[option: user confirmation]
		launch browser.	
24	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
25	ME USS	BROWSER 5.7.1	
25	IVIE USS	The ME attempts to launch the session with the default Wap	
		parameters and the default URL.	
26		PROACTIVE UICC SESSION	
		ENDED	

27	$USER \to ME$	The user verifies that the default Wap session is properly established. Then he/she ends the navigation.	
28	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.7.3	
29	$ME \rightarrow UICC$	FETCH	
30	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.7.3	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
31	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with italic off]
32	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
33	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.7.1	[Command performed successfully]
34	$ME \to USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
35	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
36	$USER \to ME$	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 5.7.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	20	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.7.2

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.7.3

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	33								

TERMINAL RESPONSE: LAUNCH BROWSER 5.7.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

The ME shall operate in the manner defined in expected sequences 5.7.

27.22.4.26.5.8 LAUNCH BROWSER (support of Text Attribute – Underline On)

27.22.4.26.5.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.8.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.8.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the underline text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.8.4 Method of test

27.22.4.26.5.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.8.4.2 Procedure

Expected Sequence 5.8 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER 5.8.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.8.1	if not already launched", no null alpha id]
4		ME displays the alpha identifier	[alpha identifier is displayed with underline on]
5	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 5.8.1	
7	$ME \rightarrow USS$	The ME attempts to launch the	
		session with the default Wap parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
	J. J. J. J. J. J. J. J. J. J. J. J. J. J	ENDED	
9	$USER \to ME$	The user verifies that the default	
		Wap session is properly established.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
11	$ME \to UICC$	5.8.2 FETCH	
12		PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.8.2	if not already launched", no null alpha id]
13		ME displays the alpha identifier	[alpha identifier is displayed with underline off]
14	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 5.8.1	[[
16	$ME \to USS$	The ME attempts to launch the	
		session with the default Wap parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION	
	OIOO / IVIE	ENDED	
18	$USER \to ME$	The user verifies that the default	
		Wap session is properly established.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
20	$ME \to UICC$	5.8.1 FETCH	
21	$UICC \rightarrow ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.8.1	if not already launched", no null alpha id]
22	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with underline on]
23	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
24	$ME \to UICC$	launch browser. TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
	IVIL -> UIUU	BROWSER 5.8.1	Least Maria Pariatified adoptionally
25	ME USS	The ME attempts to launch the	
		session with the default Wap	
26	$UICC \to ME$	parameters and the default URL. PROACTIVE UICC SESSION	
20		ENDED	
. '		•	· '

27	$USER \to ME$	The user verifies that the default Wap session is properly established. Then he/she ends the navigation.	
28	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.3	
29	$ME \rightarrow UICC$	FETCH	
30	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.8.3	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
31	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with underline off]
32	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
33	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1	[Command performed successfully]
34	$ME \to USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
35	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
36	$USER \to ME$	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 5.8.1

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	40	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.8.3

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	33								

TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

The ME shall operate in the manner defined in expected sequences 5.8.

27.22.4.26.5.9 LAUNCH BROWSER (support of Text Attribute – Strikethrough On)

27.22.4.26.5.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.9.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.9.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the strikethrough text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.9.4 Method of test

27.22.4.26.5.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.9.4.2 Procedure

Expected Sequence 5.9 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
2	$ME \to UICC$	5.9.1 FETCH	
3	$VICC \rightarrow VICC$	PROACTIVE COMMAND:	connect to the default URL, "launch browser,
	OIGG 7 IVIE	LAUNCH BROWSER 5.9.1	if not already launched", no null alpha id]
4	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with strikethrough
			on]
5	$USER \to ME$		[option: user confirmation]
6	$ME \to UICC$	launch browser.	[Command performed successfully]
	IVIL -> UICC	BROWSER 5.9.1	[Command performed successiony]
7	$ME { ightarrow} USS$	The ME attempts to launch the	
		session with the default Wap	
		parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default	
	OOLIT 7 IIIL	Wap session is properly	
		established.	
		Then he/she ends the navigation. The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO IVIL	PENDING: LAUNCH BROWSER	
		5.9.2	
11		FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
13	$ME \rightarrow USER$	LAUNCH BROWSER 5.9.2 ME displays the alpha identifier	if not already launched", no null alpha id] [alpha identifier is displayed with strikethrough]
	WE 7 OOLK		off]
14	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
4.5	ME	launch browser.	
15	$ME \rightarrow UICC$	BROWSER 5.9.1	[Command performed successfully]
16	$ME \to USS$	The ME attempts to launch the	
		session with the default Wap	
47		parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
18	$USER \to ME$	The user verifies that the default	
		Wap session is properly	
		established.	
		Then he/she ends the navigation. The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND	
	5.55 / <u>-</u>	PENDING: LAUNCH BROWSER	
		5.9.1	
20		FETCH	[connect to the default LIDI. "loved brows."
21	$UICC \to ME$		[connect to the default URL, "launch browser, if not already launched", no null alpha id]
22	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with strikethrough
			on]
23	$USER \to ME$		[option: user confirmation]
24	$ME \to UICC$	launch browser.	[Command performed successfully]
	IVIL -> UICC	BROWSER 5.9.1	[Communic performed adolessing]
25	ME USS	The ME attempts to launch the	
		session with the default Wap	
26	$UICC \to ME$	parameters and the default URL. PROACTIVE UICC SESSION	
20		ENDED	
		1	·

27	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.	
28	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.9.3	
29	$ME \rightarrow UICC$	FETCH	
30	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.9.3	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
31	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with strikethrough off]
32	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
33	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1	[Command performed successfully]
34	$ME \rightarrow USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
35	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
36	$USER \to ME$	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 5.9.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 1"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	80	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.9.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty
Alpha Identifier "Default URL 2"

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.9.3

Logically:

Command details

Command number:

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 3"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	33								

TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.4.26.5.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.9.

27.22.4.26.5.10 LAUNCH BROWSER (support of Text Attribute – Foreground and Background Colour)

27.22.4.26.5.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.10.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, clause 8.49, clause 8.50, clause 8.15, clause 8.31 and clause 8.70.

27.22.4.26.5.10.3 Test purpose

To verify that the ME performs a proper user confirmation with an alpha identifier according to the foreground and background colour text attribute configuration, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.10.4 Method of test

27.22.4.26.5.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.5.10.4.2 Procedure

Expected Sequence 5.10 (LAUNCH BROWSER, connect to the default URL with Text Attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
		5.10.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.10.1	if not already launched", no null alpha id]
4	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with foreground
			and background colour according to the text
			attribute configuration]
5	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
		launch browser.	,
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 5.10.1	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
7	$ME{ o}USS$	The ME attempts to launch the	
		session with the default Wap	
		parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$USER \to ME$	The user verifies that the default	
		Wap session is properly	
		established.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
		5.10.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.10.2	if not already launched", no null alpha id]
13	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with ME"s default
			foreground and background colour]
14	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
		launch browser.	
15	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 5.10.1	
16	$ME \to USS$	The ME attempts to launch the	
		session with the default Wap	
		parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
18	$USER \to ME$	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 5.10.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

 $\begin{array}{ccc} Source \ device: & UICC \\ Destination \ device: & ME \\ URL & empty \\ Alpha \ Identifier & "Default \ URL \ 1" \end{array}$

Text Attribute

Formatting position: 0 Formatting length: 13

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	31	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.10.2

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier "Default URL 2"

Coding:

BER-TLV:	D0	1A	81	03	01	15	00	82	02	81	82	31
	00	05	0D	44	65	66	61	75	6C	74	20	55
	52	4C	20	32								

TERMINAL RESPONSE: LAUNCH BROWSER 5.10.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: launch browser, if not already launched

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.26.5.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.10.

27.22.4.26.6 LAUNCH BROWSER (UCS2 Display in Chinese)

27.22.4.26.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.6.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

Additionally the ME shall support the UCS2 facility for the coding of the Chinese characters, as defined in:

- ISO/IEC 10646 [17].

27.22.4.26.6.3 Test purpose

To verify that the ME performs a proper user confirmation with an USC2 alpha identifier, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.6.4 Method of test

27.22.4.26.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.6.4.2 Procedure

Expected Sequence 6.1 (LAUNCH BROWSER, use the existing browser, connect to the default URL, UCS2 in Chinese)

Step	Direction	MESSAGE / Action	Comments
0	ME	The user is navigating in a Wap	[Browser is in use, the current session is not
1	$UICC \to ME$	session (not default URL). PROACTIVE COMMAND PENDING: LAUNCH BROWSER 6.1.1	secured]]
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 6.1.1	[connect to the default URL, "use the existing browser", alpha id. In UCS2]
4	$ME \to USER$	ME displays the alpha identifier "你好"	["Hello" in Chinese]
5	$USER \to ME$	The user confirms the launch browser.	[user confirmation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 6.1.1	[Command performed successfully]
7	ME→USS	The ME does not close the existing session and attempts to connect the default URL.	
8	$UICC \to ME$	PROACTIVE UICC 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 6.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier

Data coding scheme: UCS2 (16 bits)

Text: "你好"

Coding:

BER-TLV:	D0	12	81	03	01	15	02	82	02	81	82	31
	00	05	05	80	4F	60	59	7D				

TERMINAL RESPONSE: LAUNCH BROWSER 6.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.26.6.5 Test requirement

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

27.22.4.26.7 LAUNCH BROWSER (UCS2 Display in Katakana)

27.22.4.26.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.7.2 Conformance requirements

The ME shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 31.111 [15] clause 5.2, clauses 6.4.26 and 6.6.26, clause 8.6, clause 8.7, clause 8.48, clause 9.2, clause 8.2, clause 8.47, optional clause 8.49, optional clause 8.50, clause 8.15 and clause 8.31.

Additionally the ME shall support the UCS2 facility for the coding of the Katakana characters, as defined in:

- ISO/IEC 10646 [17].

27.22.4.26.7.3 Test purpose

To verify that the ME performs a proper user confirmation with an USC2 alpha identifier, launches the Wap session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.7.4 Method of test

27.22.4.26.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM 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.

27.22.4.26.7.4.2 Procedure

Expected Sequence 7.1 (LAUNCH BROWSER, use the existing browser, connect to the default URL, UCS2 in Katakana)

Step	Direction	MESSAGE / Action	Comments
0	ME	The user is navigating in a Wap	[Browser is in use, the current session is not
1	$UICC \to ME$	session (not default URL). PROACTIVE COMMAND PENDING: LAUNCH BROWSER 7.1.1	secured]]
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 7.1.1	[connect to the default URL, "use the existing browser", alpha id. In UCS2]
4	$ME \rightarrow USER$	ME displays the alpha identifier "ル"	[Character in Katakana]
5	$USER \to ME$	The user confirms the launch browser.	[user confirmation]
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 7.1.1	[Command performed successfully]
7	ME→USS	The ME does not close the existing session and attempts to connect the default URL.	
8	$UICC \to ME$	PROACTIVE UICC 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 7.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER command qualifier: use the existing browser

Device identities

Source device: UICC
Destination device: ME
URL empty

Alpha Identifier

Data coding scheme: UCS2 (16 bits)

Text: "ル"

Coding:

BER-TLV:	D0	10	81	03	01	15	02	82	02	81	82	31
	00	05	03	80	30	EB						

TERMINAL RESPONSE: LAUNCH BROWSER 7.1.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER
Command qualifier: use the existing browser

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.26.7.5 Test requirement

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

27.22.4.27 OPEN CHANNEL

27.22.4.27.1 Void

27.22.4.27.2 Open Channel (related to GPRS)

27.22.4.27.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111[15] clause 5.2, clauses 6.4.27 and 6.6.27, clause 8.6, clause 8.7, clause 9.2, clause 8.2, clause 8.15, clause 8.31 and clause 8.70...

27.22.4.27.2.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (User did not accept the proactive command);
- TERMINAL RESPONSE (ME currently unable to process command);

to the UICC after the ME receives the OPEN CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

27.22.4.27.2.4 Method of test

27.22.4.27.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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 following Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services:

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME"s default channel identifier as declared in table A.2/27.

The following Bearer Parameters used are those defined in the default Test PDP ContextDch, as specified in TS 34.123-3 [27], clause 8.10 for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Prior to test case execution the apparatus supplier shall have provided the "Preferred buffer size supported by the terminal for Open Channel command" as requested in table A.2/29.

Pre-condition for successful execution of expected sequence 2.1:

If the terminal does not support the execution of an Open Channel (GPRS) command when no Network Access Name TLV is present in the proactive command and when no default Access Point Name is set in the terminal configuration (s.a. table A.1/48), then "TestGp.rs" shall be set and activated as default Access Point Name in the terminal configuration prior to execution of the proactive command in expected sequence 2.1.

27.22.4.27.2.4.2 Procedure

Expected Sequence 2.1 (OPEN CHANNEL, immediate link establishment, GPRS, no local address, no alpha identifier, no network access name)

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	Set and activate APN "TestGp.rs" in the	[see initial conditions]
		terminal configuration if required	
2	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		OPEN CHANNEL 2.1.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND : OPEN	
		CHANNEL 2.1.1	
5	$ME \rightarrow user$	The ME may display channel opening	
		information	
6	$ME \rightarrow USS$	PDP context activation request	
7		PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN	[Command performed successfully]
		CHANNEL 2.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 2.1.1B	

PROACTIVE COMMAND: OPEN CHANNEL 2.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400
Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	36	81	03	01	40	01	82	02	81	82	35
	07	02	03	04	03	04	1F	02	39	02	05	78
	0D	08	F4	55	73	65	72	4C	6F	67	0D	80
	F4	55	73	65	72	50	77	64	3C	03	01	AD
	9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 2.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 2.1.1B

Logically:

Command details

Command number:

OPEN CHANNEL Command type:

Command qualifier: immediate link establishment

Device identities

ME Source device: **UICC** Destination device:

Result

General Result: Command performed successfully

Channel identifier 1 and link established or PDP context activated Channel status

Bearer description

GPRS Bearer type:

Bearer parameter:

Precedence Class: 00 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 02 (IP)

Packet data protocol:

Buffer

1400 Buffer size:

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

Expected Sequence 2.2 (OPEN CHANNEL, immediate link establishment GPRS, no alpha identifier, with network access name)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 2.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 2.2.1	
4	$ME \rightarrow user$	The ME may display channel opening information	
5	$ME \rightarrow USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 2.2.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 2.2.1B	

PROACTIVE COMMAND: OPEN CHANNEL 2.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	42	81	03	01	40	01	82	02	81	82	35
	07	02	03	04	03	04	1F	02	39	02	05	78
	47	0A	06	54	65	73	74	47	70	02	72	73
	0D	08	F4	55	73	65	72	4C	6F	67	0D	08
	F4	55	73	65	72	50	77	64	3C	03	01	AD
	9C	3E	05	21	01	01	01	01			·	

TERMINAL RESPONSE: OPEN CHANNEL 2.2.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer Description:

Bearer Type: GPRS

Bearer parameter:

Precedence Class: 03 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

Buffer size 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 2.2.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Bearer Description:

Bearer Type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size 1400

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

Expected Sequence 2.3 (OPEN CHANNEL, immediate link establishment, GPRS, with alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 2.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 2.3.1	
4	$ME \rightarrow user$	Confirmation phase with alpha ID	'Open ID'
5	$user \rightarrow ME$	The user confirms	
6	$ME \rightarrow USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 2.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 2.1.1B	

PROACTIVE COMMAND: OPEN CHANNEL 2.3.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME
Alpha Identifier Open ID

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

BER-TLV:	D0	4B	81	03	01	40	01	82	02	81	82	05
	07	4F	70	65	6E	20	49	44	35	07	02	03
	04	03	04	1F	02	39	02	05	78	47	0A	06
	54	65	73	74	47	70	02	72	73	0D	80	F4
	55	73	65	72	4C	6F	67	0D	80	F4	55	73
	65	72	50	77	64	3C	03	01	AD	9C	3E	05
	21	01	01	01	01							

Expected Sequence 2.4 (OPEN CHANNEL, immediate link establishment, GPRS, with null alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
		2.4.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 2.4.1	
4	$ME \rightarrow user$	Confirmation phase	[The ME should not give any information]
5	$user \to ME$	The user confirms	[Only if the ME asks for user confirmation]
6	$ME \to USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully]
		OPEN CHANNEL 2.1.1A	
		or	
		TERMINAL RESPONSE:	
		OPEN CHANNEL 2.1.1B	

PROACTIVE COMMAND: OPEN CHANNEL 2.4.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Alpha Identifier Null

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Other Address

Length: 00
Text String: UserLog (User login)

Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444

Data destination address 01.01.01.01

BER-TLV:	D0	46	81	03	01	40	01	82	02	81	82	05
	00	35	07	02	03	04	03	04	1F	02	39	02
	05	78	47	0A	06	54	65	73	74	47	70	02
	72	73	3E	00	0D	08	F4	55	73	65	72	4C

6F	67	0D	80	F4	55	73	65	72	50	77	64
3C	03	01	AD	9C	3E	05	21	01	01	01	01

Expected Sequence 2.5 (OPEN CHANNEL, immediate link establishment, GPRS, command performed with modifications (buffer size))

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
		2.5.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 2.5.1	
4	$ME \rightarrow user$	The ME may display channel	
		opening information	
5	$ME \rightarrow USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed with modification]
		CHANNEL 2.5.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 2.5.1B	

PROACTIVE COMMAND: OPEN CHANNEL 2.5.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 65535 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

BER-TLV:	D0	42	81	03	01	40	01	82	02	81	82	35
	07	02	03	04	03	04	1F	02	39	02	FF	FF

47	0A	06	54	65	73	74	47	70	02	72	73
0D	08	F4	55	73	65	72	4C	6F	67	0D	80
F4	55	73	65	72	50	77	64	3C	03	01	AD
9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 2.5.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed with modifications (07)

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: The buffer size TLV shall be attached and contain the value stated in table A.2/29

"Preferred buffer size supported by the terminal for Open Channel command".

Coding:

BER- TLV:	81	03	01	40	01	82	02	82	81	83	01	07
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	Note 1										

Note1: The buffer size TLV shall be attached and contain the value stated in table A.2/29 "Preferred buffer size supported by the terminal for Open Channel command".

TERMINAL RESPONSE: OPEN CHANNEL 2.5.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed with modifications (07)

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: The buffer size TLV shall be attached and contain the value stated in table A.2/29

"Preferred buffer size supported by the terminal for Open Channel command".

Coding:

BER- TLV:	81	03	01	40	01	82	02	82	81	83	01	07
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	Note 1										

Note1: The buffer size TLV shall be attached and contain the value stated in table A.2/29 "Preferred buffer size supported by the terminal for Open Channel command".

Expected Sequence 2.6 Void

Expected Sequence 2.7A (OPEN CHANNEL, immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
		2.7.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 2.7.1	
4	$ME \rightarrow user$	Confirmation phase with alpha	[The ME shall display 'Open ID']
		ID	
5	user \rightarrow ME	The user rejects	
6	$ME \to USS$	No PDP context activation	
		request is sent to the USS	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[User did not accept the proactive command]
		CHANNEL 2.7.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 2.7.1B	

Expected Sequence 2.7B (OPEN CHANNEL, immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
		2.7.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 2.7.1	
4	$ME \to USS$	PDP context activation request	
5	$USS \to ME$	PDP context activation accept	
6	$ME \rightarrow user$	Confirmation phase with alpha ID	[The ME shall display 'Open ID']
7	$user \rightarrow ME$	The user rejects	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 2.7.1A	[User did not accept the proactive command]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 2.7.1B	

PROACTIVE COMMAND: OPEN CHANNEL 2.7.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address 01.01.01.01

BER-TLV:	D0	4B	81	03	01	40	01	82	02	81	82	05
	07	4F	70	65	6E	20	49	44	35	07	02	03
	04	03	04	1F	02	39	02	05	78	47	0A	06
	54	65	73	74	47	70	02	72	73	0D	08	F4

55	73	65	72	4C	6F	67	0D	08	F4	55	73
65	72	50	77	64	3C	03	01	AD	9C	3E	05
21	01	01	01	01							

TERMINAL RESPONSE: OPEN CHANNEL 2.7.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: User did not accept the proactive command

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: Because the value depends in this case on the terminal's implementation, it shall be

ignored.

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	22
	35	07	02	03	04	03	04	1F	02	Note 1		

Note1: The buffer size TLV shall be present and because the value depends in this case on the terminal's

implementation, the value shall be ignored.

TERMINAL RESPONSE: OPEN CHANNEL 2.7.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: User did not accept the proactive command

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04

Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

Buffer size: Because the value depends in this case on the terminal's implementation, it shall be

ignored.

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	22
	35	07	02	00	04	03	04	1F	02	Note 1		

Note1: The buffer size TLV shall be present and because the value depends in this case on the terminal's implementation, the value shall be ignored.

Expected Sequence 2.8 Void

27.22.4.27.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.8.

27.22.4.27.3 Open Channel (default bearer)

TBD

27.22.4.27.4 Open Channel (Local Bearer)

TBD

27.22.4.27.5 Open Channel (GPRS, support of Text Attribute)

27.22.4.27.5.1 Open Channel (GPRS, support of Text Attribute – Left Alignment)

27.22.4.27.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.1.3 Test purpose

To verify that the ME displays an alpha identifier according to the left alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.1.4 Method of test

27.22.4.27.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.1.4.2 Procedure

Expected Sequence 5.1 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
		CHANNEL 5.1.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.1.1	
4		Confirmation phase with alpha ID	[alpha identifier is displayed with left alignment]
5		The user confirms	
6	$ME \rightarrow USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.1.1A	
		or	
		TERMINAL RESPONSE: OPEN CHANNEL	
		5.1.1B	
9	UICC → ME	PROACTIVE COMMAND PENDING: CLOSE	
10	ME	CHANNEL 5.1.1	
10		FETCH PROACTIVE COMMAND: CLOSE CHANNEL	
11	OICC → ME	5.1.1	
12	ME LIGO	PDP context deactivation request	
13		PDP context deactivation accept	
14			[Command performed successfully]
'-	IVIE -> UICC	5.1.1	[Command performed successfully]
15	$UICC \to ME$		
	OIGG / WIL	CHANNEL 5.1.2	
16	$ME \rightarrow UICC$		
17		PROACTIVE COMMAND : OPEN CHANNEL	
		5.1.2	
18	$ME \to USER$	Confirmation phase with alpha ID	[Message shall be formatted without left alignment.
			Remark: If left alignment is the ME"s default
			alignment as declared in table A.2/19, no alignment
4.0			change will take place]
19		The user confirms	
20		PDP context activation request	
21		PDP context activation accept	
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.1.1A	
		or TERMINAL RESPONSE: OPEN CHANNEL	
		5.1.1B	
23	LIICC → ME	PROACTIVE COMMAND PENDING: CLOSE	
	OIOO IVIL	CHANNEL 5.1.1	
24	ME → UICC	FETCH	
25	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
26	$ME \rightarrow USS$	PDP context deactivation request	
27	$USS \to ME$	PDP context deactivation accept	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.1.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	08	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	00
	B4	·									·	

PROACTIVE COMMAND: OPEN CHANNEL 5.1.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03

Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444

Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01					

PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel

Alpha Identifier "Close ID"

Coding:

BER-TLV:	D0	14	81	03	01	41	00	82	02	81	21
	85	08	43	6C	6F	73	65	20	49	44	

TERMINAL RESPONSE: OPEN CHANNEL 5.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME

Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: CLOSE CHANNEL 5.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.27.5.1.5 Test Requirement

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

27.22.4.27.5.2 Open Channel (GPRS, support of Text Attribute – Center Alignment)

27.22.4.27.5.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.2.3 Test purpose

To verify that the ME displays an alpha identifier according to the center alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.2.4 Method of test

27.22.4.27.5.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.2.4.2 Procedure

Expected Sequence 5.2 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Center Alignment)

Step Direction MESSAGE / Action 1 UICC → ME PROACTIVE COMMAND PENDING : OPEN	
CHANNEL 5.2.1	
2 ME \rightarrow UICC FETCH	
3 UICC → ME PROACTIVE COMMAND : OPEN CHANNEL	
5.2.1	
	ntifier is displayed with center alignment]
5 USER \rightarrow ME The user confirms	
6 ME → USS PDP context activation request	
7 USS → ME PDP context activation accept	
	d performed successfully]
5.2.1A	
or	
TERMINAL RESPONSE : OPEN CHANNEL	
5.2.1B	
9 UICC → ME PROACTIVE COMMAND PENDING: CLOSE	
CHANNEL 5.1.1	
10 ME → UICC FETCH	
11 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL	
12 ME → USS PDP context deactivation request	
13 USS → ME PDP context deactivation request	
	d performed successfully]
	a periorified successfully]
15 UICC → ME PROACTIVE COMMAND PENDING: OPEN	
CHANNEL 5.2.2	
16 ME → UICC FETCH	
17 UICC → ME PROACTIVE COMMAND : OPEN CHANNEL	
5.2.2	
	shall be formatted without center
	. Remark: If center alignment is the ME"s
	gnment as declared in table A.2/19, no
	change will take place]
19 USER → ME The user confirms	
20 ME → USS PDP context activation request	
21 USS → ME PDP context activation accept	
	d performed successfully]
5.2.1A	
or TERMINAL RESPONSE : OPEN CHANNEL	
5.2.1B	
23 UICC → ME PROACTIVE COMMAND PENDING: CLOSE	
CHANNEL 5.1.1	
24 ME → UICC FETCH	
25 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL	
5.1.1	
26 ME → USS PDP context deactivation request	
27 USS → ME PDP context deactivation accept	
	d performed successfully]
5.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444

Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	08	F4	55	73	65	72	4C	6F	67	0D	08	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	01
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.2.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01					

TERMINAL RESPONSE: OPEN CHANNEL 5.2.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.2.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
<u> </u>	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.2.5 Test Requirement

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

27.22.4.27.5.3 Open Channel (GPRS, support of Text Attribute – Right Alignment)

27.22.4.27.5.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.3.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.3.3 Test purpose

To verify that the ME displays an alpha identifier according to the right alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.3.4 Method of test

27.22.4.27.5.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.3.4.2 Procedure

Expected Sequence 5.3 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
		CHANNEL 5.3.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 5.3.1	
4	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with right alignment]
5	$USER \to ME$	The user confirms	
6	$ME \to USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.3.1A	[Command performed successfully]
		TERMINAL DESCRIPTIONS OF A CHANNEL	
		TERMINAL RESPONSE : OPEN CHANNEL 5.3.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
10	$ME \to UICC$	FETCH	
11	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
12	$ME \to USS$	PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	$ME \to UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
16	$ME \to UICC$	CHANNEL 5.3.2 FETCH	
17	$UICC \rightarrow ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.3.2	
18	ME → USER	Confirmation phase with alpha ID	[Message shall be formatted without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table A.2/19, no alignment change will take place]
19	$USER \to ME$	The user confirms	
20	$ME \to USS$	PDP context activation request	
21	$USS \to ME$	PDP context activation accept	
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.3.1A	[Command performed successfully]
		or TERMINAL RESPONSE : OPEN CHANNEL 5.3.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
24	$ME \to UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1	
26	$ME \to USS$	PDP context deactivation request	
27	$USS \to ME$	PDP context deactivation accept	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1	[Command performed successfully]

PROACTIVE COMMAND: OPEN CHANNEL 5.3.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	02
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.3.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03

Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01					

TERMINAL RESPONSE: OPEN CHANNEL 5.3.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F

02	39	02	05	78				

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TERMINAL RESPONSE: OPEN CHANNEL 5.3.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.3.

27.22.4.27.5.4 Open Channel (GPRS, support of Text Attribute – Large Font Size)

27.22.4.27.5.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.4.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.4.3 Test purpose

To verify that the ME displays an alpha identifier according to the large font size text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.4.4 Method of test

27.22.4.27.5.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.4.4.2 Procedure

Expected Sequence 5.4 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
,	ME	CHANNEL 5.4.1	
2 3	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND : OPEN CHANNEL	
3	OICC → IVIE	5.4.1	
4	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with large font size]
5	$USER \to ME$	The user confirms	
6	$ME \to USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.4.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
10	$ME \to UICC$	FETCH	
11	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
12	$ME \to USS$	PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1	[Command performed successfully]
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
	5.55 7 III. <u> </u>	CHANNEL 5.4.2	
16	$ME \to UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
18	$ME \to USER$	5.4.2 Confirmation phase with alpha ID	[alpha identifier is displayed with normal font size]
19	$USER \rightarrow ME$	The user confirms	[alpha identifier is displayed with normal font size]
20	$ME \rightarrow USS$	PDP context activation request	
21	$USS \to ME$	PDP context activation accept	
22	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.4.1A	
		or TERMINAL RESPONSE : OPEN CHANNEL	
		5.4.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
0.4	ME IIIOO	CHANNEL 5.1.1	
24 25	$ME \to UICC$ $UICC \to ME$	FETCH PROACTIVE COMMAND: CLOSE CHANNEL	
23	OICC → IVIE	5.1.1	
26	$ME \to USS$	PDP context deactivation request	
27	$USS \to ME$	PDP context deactivation accept	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
29	$UICC \to ME$	5.1.1 PROACTIVE COMMAND PENDING : OPEN	
23		CHANNEL 5.4.1	
30	$ME \to UICC$	FETCH	
31	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
32	$ME \to USER$	5.4.1 Confirmation phase with alpha ID	[alpha identifier is displayed with large font size]
33	$USER \to USER$	The user confirms	[aipha luchtiller is displayed with large fortt size]
34	$ME \rightarrow USS$	PDP context activation request	
35	USS → ME	PDP context activation accept	
36	ME → UICC	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.4.1A	
		or TERMINAL RESPONSE : OPEN CHANNEL	
		5.4.1B	
	ı	1	·

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
38	$ME \rightarrow UICC$	FETCH	
39	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
00	OICC - IVIL	5.1.1	
40	$ME \to USS$	PDP context deactivation request	
41	USS → ME	PDP context deactivation accept	
42	ME → UICC	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
	WE 7 0100	5.1.1	[[
43	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.4.3	
44	$ME \to UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.4.3	
46	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with normal font size]
47	$USER \to ME$	The user confirms	
48	$ME \to USS$	PDP context activation request	
49	$USS \to ME$	PDP context activation accept	
50	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.4.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.4.1B	
51	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
50		CHANNEL 5.1.1	
52	ME → UICC	FETCH	
53	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
E /	ME LICC	5.1.1	
54 55	$ME \rightarrow USS$	PDP context deactivation request	
55 56	USS → ME	PDP context deactivation accept	[Command performed everentially]
56	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1	[Command performed successfully]
		0.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.4.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	04
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.4.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	08	F4	55	73	65	72	4C	6F	67	0D	08	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	00
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.4.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	33	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C

ſ	3E	05	21	01	01	01	01			

TERMINAL RESPONSE: OPEN CHANNEL 5.4.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
<u> </u>	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.4.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.4.

27.22.4.27.5.5 Open Channel (GPRS, support of Text Attribute – Small Font Size)

27.22.4.27.5.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.5.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.5.3 Test purpose

To verify that the ME displays an alpha identifier according to the small font size text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.5.4 Method of test

27.22.4.27.5.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.5.4.2 Procedure

Expected Sequence 5.5 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
	NAE LUGG	CHANNEL 5.5.1	
2 3	ME → UICC	FETCH PROACTIVE COMMAND : OPEN CHANNEL	
3	$UICC \to ME$	5.5.1	
4	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with small font size]
5	$USER \to ME$	The user confirms	
6	$ME \to USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.5.1A	[Command performed successfully]
		or TERMINAL RESPONSE : OPEN CHANNEL 5.5.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
10	$ME \to UICC$	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1	
12	$ME \to USS$	PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1	[Command performed successfully]
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.5.2	
16	$ME \to UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
18	$ME \rightarrow USER$	5.5.2 Confirmation phase with alpha ID	[alpha identifier is displayed with normal font size]
19	$USER \rightarrow ME$	The user confirms	[dipha idonalio io diopidyod with normal font 6/26]
20	$ME \rightarrow USS$	PDP context activation request	
21	$USS \to ME$	PDP context activation accept	
22	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.5.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
00		5.5.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
24	$ME \to UICC$	FETCH	
25	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
00		5.1.1	
26 27	$ME \rightarrow USS$	PDP context deactivation request	
28	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
29	WE → OICC UICC → ME	5.1.1 PROACTIVE COMMAND PENDING : OPEN	[Sommand performed successfully]
		CHANNEL 5.5.1	
30	ME → UICC	FETCH	
31	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 5.5.1	
32	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with small font size]
33	$USER \to ME$	The user confirms	
34	ME → USS	PDP context activation request	
35 36	USS → ME	PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
30	$ME \rightarrow UICC$	5.5.1A	[Command pendimed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
1 1		5.5.1B	

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
38	$ME \rightarrow UICC$	FETCH	
39	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
	OICC - IVIL	5.1.1	
40	$ME \to USS$	PDP context deactivation request	
41	USS → ME	PDP context deactivation accept	
42	ME → UICC	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
	WE 7 0100	5.1.1	[[online perioning succession]]
43	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.5.3	
44	$ME \to UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.5.3	
46	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with normal font size]
47	$USER \to ME$	The user confirms	
48	$ME \to USS$	PDP context activation request	
49	$USS \to ME$	PDP context activation accept	
50	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.5.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.5.1B	
51	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
50		CHANNEL 5.1.1	
52	$ME \rightarrow UICC$	FETCH	
53	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
54	ME o USS	5.1.1 PDP context deactivation request	
		·	
55 46	USS → ME	PDP context deactivation accept	[Command performed everentially]
46	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1	[Command performed successfully]
		0.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.5.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	08	F4	55	73	65	72	4C	6F	67	0D	08	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	08
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.5.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	00
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.5.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

	BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
_		09	4F	70	65	6E	20	49	44	20	33	35	07
		02	03	04	03	04	1F	02	39	02	05	78	47
		0A	06	54	65	73	74	47	70	02	72	73	0D
		80	F4	55	73	65	72	4C	6F	67	0D	80	F4
		55	73	65	72	50	77	64	3C	03	01	AD	9C

3E	05	21	01	01	01	01			

TERMINAL RESPONSE: OPEN CHANNEL 5.5.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
<u> </u>	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.5.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.5.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.5.

27.22.4.27.5.6 Open Channel (GPRS, support of Text Attribute – Bold On)

27.22.4.27.5.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.6.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.6.3 Test purpose

To verify that the ME displays an alpha identifier according to the bold text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.6.4 Method of test

27.22.4.27.5.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.6.4.2 Procedure

Expected Sequence 5.6 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
		CHANNEL 5.6.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
	ME HOED	5.6.1	Felicle Cidentification of afficiency of width to also and
4		Confirmation phase with alpha ID	[alpha identifier is displayed with bold on]
5		The user confirms	
6 7		PDP context activation request	
8		PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL	[Command parformed augeografully]
0	IVIE → UICC	5.6.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.6.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 5.1.1	
10	$ME \rightarrow UICC$		
11	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
40		5.1.1	
12		PDP context deactivation request	
13	USS → ME	PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
14	$ME \rightarrow UICC$	5.1.1	[Command performed successfully]
15	LUCC → ME	PROACTIVE COMMAND PENDING: OPEN	
	OIOO - IVIL	CHANNEL 5.6.2	
16	$ME \rightarrow UICC$		
17		PROACTIVE COMMAND : OPEN CHANNEL	
		5.6.2	
18		Confirmation phase with alpha ID	[alpha identifier is displayed with bold off]
19		The user confirms	
20		PDP context activation request	
21		PDP context activation accept	
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.6.1A	
		or TERMINAL RESPONSE : OPEN CHANNEL	
		5.6.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
	0.00 / 1.1.2	CHANNEL 5.1.1	
24	$ME \rightarrow UICC$		
25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
26	ME → USS	PDP context deactivation request	
27			[Oncome of a set and the set a
28	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
29	LUCC ME	5.1.1 PROACTIVE COMMAND PENDING : OPEN	
29	$UICC \to ME$	CHANNEL 5.6.1	
30	ME → UICC	FETCH	
31	UICC → ME	PROACTIVE COMMAND : OPEN CHANNEL	
		5.6.1	
32		Confirmation phase with alpha ID	[alpha identifier is displayed with bold on]
33		The user confirms	
34		PDP context activation request	
35		PDP context activation accept	
36	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.6.1A	
1		or TERMINAL RESPONSE : OPEN CHANNEL	
		5.6.1B	
Ţ	I	0.0.15	I

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
38	$ME \rightarrow UICC$		
39		PROACTIVE COMMAND: CLOSE CHANNEL	
	0.00 /=	5.1.1	
40	$ME \to USS$	PDP context deactivation request	
41	$USS \to ME$	PDP context deactivation accept	
42	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	
43	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.6.3	
44	$ME \rightarrow UICC$		
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
40		5.6.3	
46		Confirmation phase with alpha ID	[alpha identifier is displayed with bold off]
47		The user confirms	
48		PDP context activation request	
49		PDP context activation accept	
50	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.6.1A	
		or TERMINAL RESPONSE : OPEN CHANNEL	
		15.6.1B	
51	LIICC → ME	PROACTIVE COMMAND PENDING: CLOSE	
	OIOO / IVIL	CHANNEL 5.1.1	
52	$ME \rightarrow UICC$		
53	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
	· ···-	5.1.1	
54	$ME \to USS$	PDP context deactivation request	
55	$USS \to ME$	PDP context deactivation accept	
56	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.6.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	08	F4	55	73	65	72	4C	6F	67	0D	08	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	10
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.6.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	08	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	00
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.6.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

	BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
,		09	4F	70	65	6E	20	49	44	20	33	35	07
						-							
		02	03	04	03	04	1F	02	39	02	05	78	47
		0A	06	54	65	73	74	47	70	02	72	73	0D
										_	. –		-
		08	F4	55	73	65	72	4C	6F	67	0D	08	F4
		55	73	65	72	50	77	64	3C	03	01	AD	9C
		00	, ,	00	12	50	''	U-T	50	00	01	'\D	30
		ĺ	ĺ				ĺ		ĺ	ĺ		ĺ	1

3E	05	21	01	01	01	01			

TERMINAL RESPONSE: OPEN CHANNEL 5.6.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.6.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.6.

27.22.4.27.5.7 Open Channel (GPRS, support of Text Attribute – Italic On)

27.22.4.27.5.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.7.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.7.3 Test purpose

To verify that the ME displays an alpha identifier according to the italic text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.7.4 Method of test

27.22.4.27.5.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.7.4.2 Procedure

Expected Sequence 5.7 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
	·	CHANNEL 5.7.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.7.1	
4	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with italic on]
5	$USER \to ME$	The user confirms	
6	$ME \to USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.7.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
9	$UICC \to ME$	5.7.1B PROACTIVE COMMAND PENDING: CLOSE	
9	OICC → IVIE	CHANNEL 5.1.1	
10	$ME \to UICC$	FETCH	
11	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
	OIOO / IVIL	5.1.1	
12	$ME \to USS$	PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.7.2	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
40		5.7.2	
18	ME → USER	Confirmation phase with alpha ID	[alpha identifier is displayed with italic off]
19	USER → ME	The user confirms	
20	ME → USS	PDP context activation request	
21	USS → ME	PDP context activation accept	[Common disposition and accommon disposition]
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.7.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.7.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 5.1.1	
24	$ME \to UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
26	$ME \rightarrow USS$	PDP context deactivation request	
27	$USS \to ME$	PDP context deactivation accept	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
20	LUCC ME	5.1.1	
29	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.7.1	
30	$ME \to UICC$	FETCH	
31	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
31	OICC - IVIE	5.7.1	
32	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with italic on]
33	USER → ME	The user confirms	l l l l l l l l l l l l l l l l l l l
34	$ME \rightarrow USS$	PDP context activation request	
35	$USS \to ME$	PDP context activation accept	
36	ME → UICC	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
	-	5.7.1A	·
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.7.1B	

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
38	ME → UICC	FETCH	
39	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
40	$ME \to USS$	PDP context deactivation request	
41	$USS \to ME$	PDP context deactivation accept	
42	$ME \to UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	
43	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.7.3	
44	$ME \rightarrow UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
4.0		5.7.3	
46	ME → USER	Confirmation phase with alpha ID	[alpha identifier is displayed with italic off]
47	$USER \to ME$	The user confirms	
48	$ME \rightarrow USS$	PDP context activation request	
49	$USS \to ME$	PDP context activation accept	
50	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.7.1A	
		OF	
		TERMINAL RESPONSE : OPEN CHANNEL 5.7.1B	
51	UICC → ME	PROACTIVE COMMAND PENDING: CLOSE	
31		CHANNEL 5.1.1	
52	ME → UICC	FETCH	
53	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
	O TOO TIVIL	5.1.1	
54	$ME \to USS$	PDP context deactivation request	
55	USS → ME	PDP context deactivation accept	
56	ME → UICC	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	,

PROACTIVE COMMAND: OPEN CHANNEL 5.7.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level Transport format: UDP

Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	20
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.7.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	00
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.7.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

	BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
_		09	4F	70	65	6E	20	49	44	20	33	35	07
		02	03	04	03	04	1F	02	39	02	05	78	47
		0A	06	54	65	73	74	47	70	02	72	73	0D
		80	F4	55	73	65	72	4C	6F	67	0D	80	F4
		55	73	65	72	50	77	64	3C	03	01	AD	9C

3E	05	21	01	01	01	01			

TERMINAL RESPONSE: OPEN CHANNEL 5.7.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.7.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
l.	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.7.

27.22.4.27.5.8 Open Channel (GPRS, support of Text Attribute – Underline On)

27.22.4.27.5.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.8.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.8.3 Test purpose

To verify that the ME displays an alpha identifier according to the underline text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.8.4 Method of test

27.22.4.27.5.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.8.4.2 Procedure

Expected Sequence 5.8 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
	ME !!!	CHANNEL 5.8.1	
2 3	ME → UICC	FETCH PROACTIVE COMMAND : OPEN CHANNEL	
٥	$UICC \to ME$	5.8.1	
4	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with underline on]
5	$USER \to ME$	The user confirms	
6	$ME \to USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.8.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.8.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
10	$ME \to UICC$	CHANNEL 5.1.1 FETCH	
11	$VICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
	0100 / IIIL	5.1.1	
12	$ME \to USS$	PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
15	$UICC \to ME$	5.1.1 PROACTIVE COMMAND PENDING: OPEN	
10	0100 → IVIL	CHANNEL 5.8.2	
16	$ME \to UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
10	ME LICED	5.8.2 Confirmation phase with alpha ID	Inlaha identifier is displayed with underline off
18 19	$ME \rightarrow USER$ $USER \rightarrow ME$	The user confirms	[alpha identifier is displayed with underline off]
20	$ME \rightarrow USS$	PDP context activation request	
21	USS → ME	PDP context activation accept	
22	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		5.8.1A	·
		or TERMINAL RESPONSE: OPEN CHANNEL	
		5.8.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 5.1.1	
24	ME → UICC	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1	
26	$ME \to USS$	PDP context deactivation request	
27	$USS \to ME$	PDP context deactivation accept	
28	$ME \to UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
20	LUCC ME	5.1.1	
29	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.8.1	
30	$ME \to UICC$	FETCH	
31	$UICC \rightarrow ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.8.1	
32	ME → USER	Confirmation phase with alpha ID	[alpha identifier is displayed with underline on]
33	USER → ME	The user confirms	
34 35	$ME \to USS$ $USS \to ME$	PDP context activation request PDP context activation accept	
36	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
	/ 5100	5.8.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
1		5.8.1B	l l

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
38	$ME \rightarrow UICC$	FETCH	
39	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
	OIOO / IVIL	5.1.1	
40	$ME \to USS$	PDP context deactivation request	
41	$USS \to ME$	PDP context deactivation accept	
42	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
	WE 7 0100	5.1.1	[[]
43	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.8.3	
44	$ME \to UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.8.3	
46	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with underline off]
47	$USER \to ME$	The user confirms	
48	$ME \to USS$	PDP context activation request	
49	$USS \to ME$	PDP context activation accept	
50	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.8.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.8.1B	
51	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 5.1.1	
52	$ME \rightarrow UICC$	FETCH	
53	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
54	$ME \rightarrow USS$	PDP context deactivation request	
55	$USS \to ME$	PDP context deactivation accept	
56	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.8.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	40
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.8.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	08	F4	55	73	65	72	4C	6F	67	0D	08	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	00
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.8.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

	BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
_		09	4F	70	65	6E	20	49	44	20	33	35	07
		02	03	04	03	04	1F	02	39	02	05	78	47
		0A	06	54	65	73	74	47	70	02	72	73	0D
		80	F4	55	73	65	72	4C	6F	67	0D	80	F4
		55	73	65	72	50	77	64	3C	03	01	AD	9C

ſ	3E	05	21	01	01	01	01			

TERMINAL RESPONSE: OPEN CHANNEL 5.8.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.8.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.8.

27.22.4.27.5.9 Open Channel (GPRS, support of Text Attribute – Strikethrough On)

27.22.4.27.5.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.9.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.9.3 Test purpose

To verify that the ME displays an alpha identifier according to the strikethrough text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.9.4 Method of test

27.22.4.27.5.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address

01.01.01.01

27.22.4.27.5.9.4.2 Procedure

Expected Sequence 5.9 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
		CHANNEL 5.9.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.9.1	
4	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with strikethrough on]
5	$USER \to ME$	The user confirms	
6	$ME \to USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.9.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
	LUCO	5.9.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
10	$ME \rightarrow UICC$	FETCH	
11	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
	OIOO IVIL	5.1.1	
12	$ME \to USS$	PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	ME → UICC	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.9.2	
16	$ME \to UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.9.2	
18	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with strikethrough off]
19	USER → ME	The user confirms	
20	$ME \rightarrow USS$	PDP context activation request	
21	$USS \to ME$	PDP context activation accept	
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.9.1A or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.9.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
	0.00 /	CHANNEL 5.1.1	
24	$ME \to UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
26	$ME \to USS$	PDP context deactivation request	
27	$USS \to ME$	PDP context deactivation accept	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
00		5.1.1	
29	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
20	ME	CHANNEL 5.9.1 FETCH	
30	ME → UICC		
31	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 5.9.1	
32	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with strikethrough on]
33	$USER \rightarrow ME$	The user confirms	[alpha laontino is displayed with strikethough on]
34	$ME \rightarrow USS$	PDP context activation request	
35	$USS \rightarrow ME$	PDP context activation request	
36	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
	L / 0100	5.9.1A	[]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.9.1B	

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
38	$ME \to UICC$	FETCH	
39	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
	OICC - IVIL	5.1.1	
40	$ME \to USS$	PDP context deactivation request	
41	USS → ME	PDP context deactivation accept	
42	ME → UICC	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
	WE 7 0100	5.1.1	[[]
43	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.9.3	
44	$ME \to UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.9.3	
46	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with strikethrough off]
47	$USER \to ME$	The user confirms	
48	$ME \to USS$	PDP context activation request	
49	$USS \to ME$	PDP context activation accept	
50	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.9.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.9.1B	
51	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
50		CHANNEL 5.1.1	
52	$ME \rightarrow UICC$	FETCH	
53	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
E 4	ME LICC	5.1.1	
54 55	$ME \rightarrow USS$	PDP context deactivation request	
55	USS → ME	PDP context deactivation accept	[Company of montoning of company of the company of
56	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.9.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	80
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.9.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 2"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	00
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.9.3

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Alpha Identifier "Open ID 3"

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	33	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C

3E	05	21	01	01	01	01			

TERMINAL RESPONSE: OPEN CHANNEL 5.9.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.9.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.9.

27.22.4.27.5.10 Open Channel (GPRS, support of Text Attribute – Foreground and Background

Colour)

27.22.4.27.5.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.27.5.10.3 Test purpose

To verify that the ME displays an alpha identifier according to the foreground and background colour text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.10.4 Method of test

27.22.4.27.5.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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 following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.4.27.5.10.4.2 Procedure

Expected Sequence 5.10 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
		CHANNEL 5.10.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
4	ME LIGED	5.10.1	Calaba identifier is displayed with foreground and
4	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with foreground and background colour according to the text attribute]
5	$USER \to ME$	The user confirms	background colour according to the text attribute]
6	ME → USS	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.10.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
9	UICC → ME	5.10.1B PROACTIVE COMMAND PENDING: CLOSE	
9	UICC → ME	CHANNEL 5.1.1	
10	$ME \rightarrow UICC$	FETCH	
11	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
	0.00 /=	5.1.1	
12	$ME \to USS$	PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.10.2	
16	$ME \rightarrow UICC$	FETCH	
17	$VICC \rightarrow ME$	PROACTIVE COMMAND : OPEN CHANNEL	
	OIOO / WIL	5.10.2	
18	$ME \to USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with ME"s default
			foreground and background colour]
19	$USER \to ME$	The user confirms	
20	$ME \rightarrow USS$	PDP context activation request	
21	USS → ME	PDP context activation accept	
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.10.1A or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.10.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 5.1.1	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
26	ME LICC	5.1.1	
26 27	ME → USS	PDP context deactivation request PDP context deactivation accept	
28	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
20	IVIL -> UICC	5.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.10.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

immediate link establishment Command qualifier:

Device identities

Source device: **UICC** Destination device: ME

Alpha Identifier "Open ID 1"

Bearer

Bearer type: **GPRS**

Bearer parameter:

Precedence Class: 03 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

1400 Buffer size: TestGp.rs Network access name:

Text String: UserLog (User login) Text String: UserPwd (User password)

UICC/ME interface transport level Transport format: **UDP** Port number: 44444 01.01.01.01

Data destination address

Text Attribute

Formatting position: 0 Formatting length: 9

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	53	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	31	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01	D0	04	00	09	00
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.10.2

Logically:

Command details

Command number: 1

OPEN CHANNEL Command type:

Command qualifier: immediate link establishment

Device identities

UICC Source device: Destination device: ME

"Open ID 2" Alpha Identifier

Bearer

Bearer type: **GPRS** Bearer parameter:

Precedence Class: 03 Delay Class: 04 03 Reliability Class: Peak throughput class: 04 Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: TestGp.rs

Text String: UserLog (User login) Text String: UserPwd (User password)

UICC/ME interface transport level Transport format: **UDP** Port number: 44444 01.01.01.01

Data destination address

Coding:

BER-TLV:	D0	4D	81	03	01	40	01	82	02	81	82	05
	09	4F	70	65	6E	20	49	44	20	32	35	07
	02	03	04	03	04	1F	02	39	02	05	78	47
	0A	06	54	65	73	74	47	70	02	72	73	0D
	80	F4	55	73	65	72	4C	6F	67	0D	80	F4
	55	73	65	72	50	77	64	3C	03	01	AD	9C
	3E	05	21	01	01	01	01					

TERMINAL RESPONSE: OPEN CHANNEL 5.10.1A

Logically:

Command details

Command number:

OPEN CHANNEL Command type:

Command qualifier: immediate link establishment

Device identities

Source device: ME Destination device: **UICC**

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: **GPRS**

Bearer parameter:

Precedence Class: 03 Delay Class: 04 Reliability Class: 03 Peak throughput class: 04 Mean throughput class: 31 Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 5.10.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.5.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 5.10.

27.22.4.28 CLOSE CHANNEL

27.22.4.28.1 CLOSE CHANNEL(normal)

27.22.4.28.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.1.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the ME receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the ME and the network capabilities against asked parameters by the UICC.

27.22.4.28.1.4 Method of Test

27.22.4.28.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME's default channel identifier as declared in table A.2/27

The following Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP Port number: 44444

27.22.4.28.1.4.2 Procedure

Expected sequence 1.1 (CLOSE CHANNEL, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL	
		1.1.1	
2	WE 7 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
_		opening information	
5		PDP context activation request	
6		PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: CLOSE CHANNEL	
		1.1.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND:	
		CLOSE CHANNEL 1.1.1	
11	$ME \to USS$	PDP context deactivation	
		request	
12	$USS \to ME$	PDP context deactivation accept	
13	$ME \to UICC$		[Command performed successfully]
		CHANNEL 1.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV

D0	42	81	03	01	40	01	82	02	81	82	35
07	02	03	04	03	04	1F	02	39	02	03	E8
47	0A	06	54	65	73	74	47	70	02	72	73
0D	80	F4	55	73	65	72	4C	6F	67	0D	08
F4	55	73	65	72	50	77	64	3C	03	01	AD
9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	03	E8							

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	03	E8							

PROACTIVE COMMAND: CLOSE CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
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: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

725

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL	
	NAT 11100	1.1.1	
2	,	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
4	ME HOED	OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
5	ME o USS	opening information PDP context activation request	
6	USS → ME	PDP context activation accept	
7		TERMINAL RESPONSE: OPEN	[Command parformed augoconfully]
'	$ME \rightarrow UICC$	CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
8	LUCO ME	CHANNEL 1.1.1B PROACTIVE COMMAND	
0	$UICC \to ME$	PENDING: CLOSE CHANNEL	
		1.2.1	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND:	
10		CLOSE CHANNEL 1.2.1	
11	ME → UICC	TERMINAL RESPONSE CLOSE	[Invalid channel number]
	IVIL -> UICC	CHANNEL 1.2.1	[mvana chaimer 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: UICC
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: ME
Destination device: UICC

Result

General Result: Bearer Independent Protocol error Additional Result: Channel identifier not valid

Coding:

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

03					

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

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	See initial conditions
2	$ME \rightarrow UICC$	FETCH]
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
4	$ME \to USER$	The ME may display channel opening information	
5	$ME \to USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	CHANNEL 1.1.1A or	[Command performed successfully]
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.1.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 1.1.1	
11	$ME \rightarrow USS$	PDP context deactivation request]
12	$USS \to ME$	PDP context deactivation accept]
13	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 1.1.1	[Command performed successfully]
14	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 1.3.1	
15	$ME \rightarrow UICC$	FETCH]
16	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 1.3.1	
17	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 1.3.1A or	[Channel closed]
		TERMINAL RESPONSE CLOSE CHANNEL 1.3.1B	[Channel identifier invalid]

PROACTIVE COMMAND: CLOSE CHANNEL 1.3.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Coding:

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

TERMINAL RESPONSE: CLOSE CHANNEL 1.3.1A

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

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											

TERMINAL RESPONSE: CLOSE CHANNEL 1.3.1B

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Bearer Independent Protocol error

Additional Result: Channel identifier invalid

Coding:

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

27.22.4.28.5 Test requirement

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

27.22.4.28.2 CLOSE CHANNEL (support of Text Attribute)

27.22.4.28.2.1 CLOSE CHANNEL (support of Text Attribute – Left Alignment)

27.22.4.28.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.1.3 Test purpose

To verify that the ME shall display the alpha identifier according to the left alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.1.4 Method of Test

27.22.4.28.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP Port number: 44444

27.22.4.28.2.1.4.2 Procedure

Expected sequence 2.1 (CLOSE CHANNEL, with Text Attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL	
2	ME . LUCC	1.1.1 FETCH	
3	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND:	
3		OPEN CHANNEL 1.1.1	
4	MF → USER	The ME may display channel	
	INIE 7 GOER	opening information	
5	$ME \to USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL 2.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
9		FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND:	[alpha identifier is displayed with left
11	ME	CLOSE CHANNEL 2.1.1	alignment]
11	$ME \to USS$	PDP context deactivation request	
12	$USS \to ME$	PDP context deactivation accept	
13	ME → UICC	TERMINAL RESPONSE CLOSE	[Command performed successfully]
	, , , , ,	CHANNEL 2.1.1	[
14	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
15	ME	1.1.1	
15 16	/ 0.00	FETCH PROACTIVE COMMAND:	
10		OPEN CHANNEL 1.1.1	
17	$ME \rightarrow USER$	The ME may display channel	
		opening information	
18	$ME \to USS$	PDP context activation request	
19	$USS \to ME$	PDP context activation accept	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
00	ME 11100	2.1.2	
22	ME → UICC	FETCH	[Magazga shall be formatted without left
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2	[Message shall be formatted without left alignment. Remark: If left alignment is the
		OLOGE OF IMINITE 2.1.2	ME"s default alignment as declared in table
			A.2/20, no alignment change will take place]
24	$ME \to USS$	PDP context deactivation	
1 _		request	
25	USS → ME	PDP context deactivation accept	
26	$ME \rightarrow UICC$		[Command performed successfully]
		CHANNEL 2.1.1	

PROACTIVE COMMAND: CLOSE CHANNEL 2.1.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	31	D0	04	00	0A	00	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32										

TERMINAL RESPONSE: CLOSE CHANNEL 2.1.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.1.5 Test Requirement

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

27.22.4.28.2.2 CLOSE CHANNEL (support of Text Attribute – Center Alignment)

27.22.4.28.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.2.3 Test purpose

To verify that the ME shall display the alpha identifier according to the center alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.2.4 Method of Test

27.22.4.28.2.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

User password: UserPwd
UICC/ME interface transport level

Transport format:UDP Port number: 44444

27.22.4.28.2.2.4.2 Procedure

Expected sequence 2.2 (CLOSE CHANNEL, with Text Attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL	
2	ME → UICC	1.1.1 FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
3		OPEN CHANNEL 1.1.1	
4	MF → USFR	The ME may display channel	
	, 001.1	opening information	
5	$ME \to USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		2.2.1	
9		FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.2.1	[alpha identifier is displayed with center
11	ME o USS	PDP context deactivation	alignment]
''	IVIL \rightarrow 033	request	
12	$USS \to ME$	PDP context deactivation accept	
13	$ME \to UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.2.1	
14	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
15	$ME \to UICC$	1.1.1 FETCH	
16	/ 0.00	PROACTIVE COMMAND:	
	0.00 /	OPEN CHANNEL 1.1.1	
17	$ME \rightarrow USER$	The ME may display channel	
		opening information	
18	ME → USS	PDP context activation request	
19	USS → ME	PDP context activation accept	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
22	ME VIICO	2.2.2 FETCH	
22 23	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND:	Message shall be formatted without center
20		CLOSE CHANNEL 2.2.2	alignment. Remark: If center alignment is the
			ME"s default alignment as declared in table
			A.2/20, no alignment change will take place]
24	$ME \rightarrow USS$	PDP context deactivation	
25	LICO ME	request	
25 26	USS → ME	PDP context deactivation accept	[Command performed successfully]
20	$ME \rightarrow UICC$	CHANNEL 2.2.1	[Command performed successfully]
L	1	OLD MAINEE Z.Z. I	

PROACTIVE COMMAND: CLOSE CHANNEL 2.2.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	31	D0	04	00	0A	01	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.2.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32										

TERMINAL RESPONSE: CLOSE CHANNEL 2.2.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.2.5 Test Requirement

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

27.22.4.28.2.3 CLOSE CHANNEL (support of Text Attribute – Right Alignment)

27.22.4.28.2.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.3.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.3.3 Test purpose

To verify that the ME shall display the alpha identifier according to the right alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.3.4 Method of Test

27.22.4.28.2.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP Port number: 44444

27.22.4.28.2.3.4.2 Procedure

Expected sequence 2.3 (CLOSE CHANNEL, with Text Attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	See initial conditions
		OPEN CHANNEL 1.1.1	
2		FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel opening	
_		information	
5	$ME \rightarrow USS$	PDP context activation request	
6	USS → ME	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
	0.00 7	CLOSE CHANNEL 2.3.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with right
		CHANNEL 2.3.1	alignment]
11		PDP context deactivation request	
12	$USS \to ME$	PDP context deactivation accept	
13	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.3.1	
14	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
15	ME → UICC	OPEN CHANNEL 1.1.1 FETCH	
15 16	,	PROACTIVE COMMAND:	
10	$UICC \to ME$	OPEN CHANNEL 1.1.1	
17	MF → LISER	The ME may display channel opening	
''	WIE 700ER	information	
18	$ME \to USS$	PDP context activation request	
19	$USS \to ME$	PDP context activation accept	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
0.4		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
22	ME LUCC	CLOSE CHANNEL 2.3.2	
22 23		FETCH PROACTIVE COMMAND: CLOSE	[Message shall be formatted without right
23		CHANNEL 2.3.2	alignment. Remark: If right alignment is
		OTTAININEE 2.5.2	the ME's default alignment as declared
			in table A.2/20, no alignment change will
			take place]
24	$ME \to USS$	PDP context deactivation request	' '
25	$USS \to ME$	PDP context deactivation accept	
26	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.3.1	

PROACTIVE COMMAND: CLOSE CHANNEL 2.3.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	31	D0	04	00	0A	02	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.3.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32										

TERMINAL RESPONSE: CLOSE CHANNEL 2.3.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.3.

27.22.4.28.2.4 CLOSE CHANNEL (support of Text Attribute – Large Font Size)

27.22.4.28.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.4.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.4.3 Test purpose

To verify that the ME shall display the alpha identifier according to the large font size text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.4.4 Method of Test

27.22.4.28.2.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog

User password: UserPwd
UICC/ME interface transport level

Transport format: UDP Port number: 44444

27.22.4.28.2.4.4.2 Procedure

Expected sequence 2.4 (CLOSE CHANNEL, with Text Attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
2	ME LUGO	PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND:	
3	OICC → IVIE	OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
		opening information	
5		PDP context activation request	
6		PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		2.4.1	
9	/ 0.00	FETCH PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with large font
10	$UICC \to ME$	CHANNEL 2.4.1	[alpha identifier is displayed with large font size]
11	$ME \to USS$	PDP context deactivation request	'
12	$USS \to ME$	PDP context deactivation accept	
13	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
14	LUCC - ME	CHANNEL 2.4.1 PROACTIVE COMMAND	
14	$UICC \to ME$	PENDING: OPEN CHANNEL 1.1.1	
15	$ME \to UICC$	FETCH	
16	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 1.1.1	
17	$ME \rightarrow USER$	The ME may display channel opening information	
18	$ME \to USS$	PDP context deactivation request	
19	USS → ME	PDP context deactivation accept	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		2.4.2	
22		FETCH	Talaha idantifiar is displayed with narmal fant
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.4.2	[alpha identifier is displayed with normal font size]
24	$ME \to USS$	PDP context deactivation request	
25	$USS \to ME$	PDP context deactivation accept	
26	$ME \to UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
07	11100 145	CHANNEL 2.4.1	
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
28	$ME \to UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 1.1.1	
30	$ME \rightarrow USER$		
31	ME o USS	opening information PDP context activation request	
32	$USS \rightarrow ME$	PDP context activation request	
33	ME → UICC	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
1	1	OI WANTEL I.I.ID	<u> </u>

34	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.4.1	
35	ME → UICC	FETCH	
36	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL 2.4.1	[alpha identifier is displayed with large font size]
37	$ME \rightarrow USS$	PDP context deactivation request	
38	$USS \to ME$	PDP context deactivation accept	
39	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.4.1	[Command performed successfully]
40	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
41	$ME \rightarrow UICC$	FETCH	
42	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
43	$ME \rightarrow USER$	The ME may display channel opening information	
44	$ME \rightarrow USS$	PDP context activation request	
45	$USS \to ME$	PDP context activation accept	
46	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
47	$UICC \to ME$	or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.4.3	
48	$ME \rightarrow UICC$	FETCH	
49	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.4.3	[alpha identifier is displayed with normal font size]
50	$ME \rightarrow USS$	PDP context deactivation request	
51	$USS \to ME$	PDP context deactivation accept	
52	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.4.1	[Command performed successfully]

PROACTIVE COMMAND: CLOSE CHANNEL 2.4.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

	BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
Į		85	0A	43	6C	6F	73	65	20	49	44	20
		31	D0	04	00	0A	04	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.4.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32	D0	04	00	0A	00	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.4.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	33										

TERMINAL RESPONSE: CLOSE CHANNEL 2.4.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.4.

27.22.4.28.2.5 CLOSE CHANNEL (support of Text Attribute – Small Font Size)

27.22.4.28.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.5.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.5.3 Test purpose

To verify that the ME shall display the alpha identifier according to the small font size text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.5.4 Method of Test

27.22.4.28.2.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31

Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP

Port number: 44444

27.22.4.28.2.5.4.2 Procedure

Expected sequence 2.5 (CLOSE CHANNEL, with Text Attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
	ME	PENDING: OPEN CHANNEL 1.1.1	
2	$ME \to UICC$ $UICC \to ME$	FETCH PROACTIVE COMMAND:	
3	OICC → IVIE	OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
		opening information	
5		PDP context activation request	
6		PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 / III.	PENDING: CLOSE CHANNEL	
		2.5.1	
9	/ 0.00	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.5.1	[alpha identifier is displayed with small font
11	ME o USS	PDP context deactivation request	size]
12	USS → ME	PDP context deactivation accept	
13	ME → UICC	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.5.1	
14	$UICC \to ME$	PROACTIVE COMMAND	
4.5	ME IIIOO	PENDING: OPEN CHANNEL 1.1.1	
15 16	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND:	
10	OICC → IVIE	OPEN CHANNEL 1.1.1	
17	$ME \rightarrow USER$	The ME may display channel	
		opening information	
18	$ME \to USS$	PDP context activation request	
19	$USS \to ME$	PDP context activation accept	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
22	$ME \to UICC$	2.5.2 FETCH	
23	UICC → ME	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with normal font
		CHANNEL 2.5.2	size]
24	$ME \to USS$	PDP context deactivation request	
25	USS → ME	PDP context deactivation accept	
26	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.5.1	[Command performed successfully]
27	$UICC \to ME$	PROACTIVE COMMAND	
-'		PENDING: OPEN CHANNEL 1.1.1	
28	$ME \to UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 1.1.1	
30	$ME \rightarrow USER$	The ME may display channel opening information	
31	$ME \to USS$	PDP context activation request	
32	$USS \rightarrow ME$	PDP context activation accept	
33	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
1	I	OUNINEE I.I.ID	ı

34	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.5.1	
35	ME → UICC	FETCH	
36	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL 2.5.1	[alpha identifier is displayed with small font size]
37	$ME \rightarrow USS$	PDP context deactivation request	
38	$USS \to ME$	PDP context deactivation accept	
39	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.5.1	[Command performed successfully]
40	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
41	$ME \rightarrow UICC$	FETCH	
42	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
43	$ME \rightarrow USER$	The ME may display channel opening information	
44	$ME \rightarrow USS$	PDP context activation request	
45	$USS \to ME$	PDP context activation accept	
46	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
47	UICC → ME	or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.5.3	
48	$ME \rightarrow UICC$	FETCH	
49	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.5.3	[alpha identifier is displayed with normal font size]
50	$ME \rightarrow USS$	PDP context deactivation request	
51	$USS \to ME$	PDP context deactivation accept	
52	ME → UICC	TERMINAL RESPONSE CLOSE CHANNEL 2.5.1	[Command performed successfully]

PROACTIVE COMMAND: CLOSE CHANNEL 2.5.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	31	D0	04	00	0A	08	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.5.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32	D0	04	00	0A	00	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.5.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	33										

TERMINAL RESPONSE: CLOSE CHANNEL 2.5.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.5.5 Test Requirement

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

27.22.4.28.2.6 CLOSE CHANNEL (support of Text Attribute – Bold On)

27.22.4.28.2.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.6.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.6.3 Test purpose

To verify that the ME shall display the alpha identifier according to the bold text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.6.4 Method of Test

27.22.4.28.2.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31

Packet data protocol:02 (IP) GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP

Port number: 44444

27.22.4.28.2.6.4.2 Procedure

Expected sequence 2.6 (CLOSE CHANNEL, with Text Attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	ME → UICC	FETCH PROACTIVE COMMAND:	
3	$UICC \to ME$	OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
		opening information	
5		PDP context activation request	
6		PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
8	$UICC \to ME$	CHANNEL 1.1.1B PROACTIVE COMMAND	
	OICC → IVIE	PENDING: CLOSE CHANNEL	
		2.6.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold on]
11	ME o USS	CHANNEL 2.6.1 PDP context deactivation request	
12	USS → ME	PDP context deactivation request	
13	ME → UICC	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.6.1	
14	$UICC \to ME$	PROACTIVE COMMAND	
15	ME → UICC	PENDING: OPEN CHANNEL 1.1.1 FETCH	
16	$UICC \rightarrow ME$	PROACTIVE COMMAND:	
	OIOO / IIIL	OPEN CHANNEL 1.1.1	
17	$ME \to USER$	The ME may display channel	
10	ME	opening information	
18 19	$ME \to USS$ $USS \to ME$	PDP context activation request PDP context activation accept	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
	WE 7 0100	CHANNEL 1.1.1A	[command performed decederany]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		2.6.2	
22		FETCH	
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.6.2	[alpha identifier is displayed with bold off]
24	ME o USS	PDP context deactivation request	
25	USS → ME	PDP context deactivation accept	
26	ME → UICC	TERMINAL RESPONSE CLOSE	[Command performed successfully]
67		CHANNEL 2.6.1	
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
28	$ME \to UICC$	FETCH	
29	UICC → ME	PROACTIVE COMMAND:	
		OPEN CHANNEL 1.1.1	
30	$ME \rightarrow USER$	The ME may display channel	
31	ME o USS	opening information PDP context activation request	
32	$USS \rightarrow ME$	PDP context activation request	
33	ME → UICC	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	<u> </u>
		OF	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
1	1	19	ı

34	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
25	ME 11100	2.6.1 FETCH	
35 36	IIIL / 0.00	. = . •	[alpha identifier is displayed with hold on]
30	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.6.1	[alpha identifier is displayed with bold on]
37	$ME \rightarrow USS$	PDP context deactivation request	
38	$USS \to ME$	PDP context deactivation accept	
39	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.6.1	
40	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
41	$ME \rightarrow UICC$	FETCH	
42	$UICC \rightarrow ME$	PROACTIVE COMMAND:	
40		OPEN CHANNEL 1.1.1	
43	$ME \rightarrow USER$	The ME may display channel	
44	MELLICC	opening information PDP context activation request	
45	ME → USS	PDP context activation request	
46	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	TERMINAL RESPONSE: OPEN	[Command parformed augeograficht]
46	IME → UICC	CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
47	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		2.6.3	
48	$ME \rightarrow UICC$	FETCH	
49	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold off]
		CHANNEL 2.6.3	
50	$ME \rightarrow USS$	PDP context deactivation request	
51	$USS \to ME$	PDP context deactivation accept	
52	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.6.1	

PROACTIVE COMMAND: CLOSE CHANNEL 2.6.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	31	D0	04	00	0A	10	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.6.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32	D0	04	00	0A	00	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.6.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	33										

TERMINAL RESPONSE: CLOSE CHANNEL 2.6.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.6.

27.22.4.28.2.7 CLOSE CHANNEL (support of Text Attribute – Italic On)

27.22.4.28.2.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.7.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.7.3 Test purpose

To verify that the ME shall display the alpha identifier according to the italic text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.7.4 Method of Test

27.22.4.28.2.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31

Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP

Port number: 44444

27.22.4.28.2.7.4.2 Procedure

Expected sequence 2.7 (CLOSE CHANNEL, with Text Attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
	ME :::00	PENDING: OPEN CHANNEL 1.1.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
	/ 50210	opening information	
5	$ME \to USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \to UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
9	ME LUCC	2.7.1 FETCH	
10	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold on]
10	OICC -> IVIE	CHANNEL 2.7.1	Taipha identiner is displayed with bold on
11	$ME \to USS$	PDP context deactivation request	
12	$USS \to ME$	PDP context deactivation accept	
13	$ME \to UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
4.4	LUCC ME	CHANNEL 2.7.1	
14	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
15	$ME \rightarrow UICC$	FETCH	
16	UICC → ME	PROACTIVE COMMAND:	
		OPEN CHANNEL 1.1.1	
17	$ME \to USER$	The ME may display channel	
40	ME	opening information	
18 19	$ME \rightarrow USS$	PDP context activation request PDP context activation accept	
20	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
20	IVIL -> UICC	CHANNEL 1.1.1A	[Command ponomied successibility]
		or	
		TERMINAL RESPONSE: OPEN	
04	11100 145	CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
		2.6.2	
22	$ME \to UICC$	FETCH	
23	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold off]
		CHANNEL 2.7.2	
24	$ME \rightarrow USS$	PDP context deactivation request	
25	USS → ME	PDP context deactivation accept	10
26	$ME \to UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.7.1	[Command performed successfully]
27	$UICC \to ME$	PROACTIVE COMMAND	
	JIJO → IVIL	PENDING: OPEN CHANNEL 1.1.1	
28	$ME \to UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND:	
20	ME LIGES	OPEN CHANNEL 1.1.1	
30	$ME \rightarrow USER$	The ME may display channel opening information	
31	$ME \to USS$	PDP context activation request	
32	$USS \rightarrow ME$	PDP context activation accept	
33	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
I I		CHANNEL 1.1.1B	

34	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.7.1	
35	ME → UICC	FETCH	
36	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL 2.7.1	[alpha identifier is displayed with bold on]
37	$ME \rightarrow USS$	PDP context deactivation request	
38	$USS \to ME$	PDP context deactivation accept	
39	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.7.1	[Command performed successfully]
40	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
41	$ME \rightarrow UICC$	FETCH	
42	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
43	$ME \rightarrow USER$	The ME may display channel opening information	
44	$ME \to USS$	PDP context activation request	
45	$USS \to ME$	PDP context activation accept	
46	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
47	$UICC \to ME$	or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.7.3	
48	ME → UICC	FETCH	
49	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL 2.7.3	[alpha identifier is displayed with bold off]
50	ME → USS	PDP context deactivation request	
51	USS → ME	PDP context deactivation request	
52	ME → UICC	TERMINAL RESPONSE CLOSE CHANNEL 2.7.1	[Command performed successfully]

PROACTIVE COMMAND: CLOSE CHANNEL 2.7.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	31	D0	04	00	0A	20	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.7.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32	D0	04	00	0A	00	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.7.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	33										

TERMINAL RESPONSE: CLOSE CHANNEL 2.7.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.7.

27.22.4.28.2.8 CLOSE CHANNEL (support of Text Attribute – Underline On)

27.22.4.28.2.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.8.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.8.3 Test purpose

To verify that the ME shall display the alpha identifier according to the underline text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.8.4 Method of Test

27.22.4.28.2.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP

Port number: 44444

Data destination address 01.01.01.01

27.22.4.28.2.8.4.2 Procedure

Expected sequence 2.8 (CLOSE CHANNEL, with Text Attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments					
1	$UICC \to ME$		See initial conditions					
		PROACTIVE COMMAND						
2	ME LUCC	PENDING: OPEN CHANNEL 1.1.1 FETCH						
3	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND:						
3	OICC → IVIE	OPEN CHANNEL 1.1.1						
4	$ME \rightarrow USER$	The ME may display channel						
		opening information						
5	$ME \to USS$	PDP context activation request						
6		PDP context activation accept						
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]					
		or						
		TERMINAL RESPONSE: OPEN						
		CHANNEL 1.1.1B						
8	$UICC \to ME$	PROACTIVE COMMAND						
		PENDING: CLOSE CHANNEL						
9	$ME \rightarrow UICC$	2.8.1 FETCH						
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with underline on]					
10	OICC - IVIL	CHANNEL 2.8.1	[aipha lachtine is displayed with dilachine on]					
11	$ME \to USS$	PDP context deactivation request						
12	$USS \to ME$	PDP context deactivation accept						
13	$ME \to UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]					
4.4		CHANNEL 2.8.1						
14	$UICC \to ME$	PROACTIVE COMMAND						
		PENDING: OPEN CHANNEL 1.1.1						
15	$ME \to UICC$	FETCH						
16	$UICC \to ME$	PROACTIVE COMMAND:						
		OPEN CHANNEL 1.1.1						
17	$ME \rightarrow USER$	The ME may display channel						
18	$ME \to USS$	opening information PDP context activation request						
19	$USS \rightarrow ME$	PDP context activation accept						
20	ME → UICC	TERMINAL RESPONSE: OPEN	[Command performed successfully]					
	/ 0.00	CHANNEL 1.1.1A	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
		or						
		TERMINAL RESPONSE: OPEN						
21	$UICC \to ME$	CHANNEL 1.1.1B PROACTIVE COMMAND						
21	OICC - IVIL	PENDING: CLOSE CHANNEL						
		2.8.2						
22	$ME \to UICC$	FETCH						
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with underline off]					
24	ME LICC	CHANNEL 2.8.2						
25	$ME \to USS$ $USS \to ME$	PDP context deactivation request PDP context deactivation accept						
26	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]					
	/ 0100	CHANNEL 2.8.1	[2					
27	$UICC \to ME$							
		PROACTIVE COMMAND						
20	ME LUCC	PENDING: OPEN CHANNEL 1.1.1						
28 29		FETCH PROACTIVE COMMAND:						
23	OICC -> IVIE	OPEN CHANNEL 1.1.1						
30	$ME \to USER$	The ME may display channel						
		opening information						
31	$ME \rightarrow USS$	PDP context activation request						
32	$USS \to ME$	PDP context activation accept						

33	$ME \to UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
34	$UICC \to ME$	or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.8.1	
35	ME → UICC	FETCH	
36	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with underline on]
		CHANNEL 2.8.1	·
37	$ME \rightarrow USS$	PDP context deactivation request	
38	USS → ME	PDP context deactivation accept	
39	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.8.1	[Command performed successfully]
40	UICC → ME	OTANIVLE 2.0. I	
	0.00 /	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
41	$ME \rightarrow UICC$	FETCH	
42	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
43	ME → USER	The ME may display channel	
70	IVIL -> USLIX	opening information	
44	$ME \rightarrow USS$	PDP context activation request	
45	$USS \to ME$	PDP context activation accept	
46	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
47	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
48	$ME \rightarrow UICC$	2.8.3 FETCH	
49	UICC → ME	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with underline off]
.	JIGO / IVIL	CHANNEL 2.8.3	Lastra de la displayed with disconine on
50	$ME \to USS$	PDP context deactivation request	
51	$USS \to ME$	PDP context deactivation accept	
52	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.8.1	[Command performed successfully]

PROACTIVE COMMAND: CLOSE CHANNEL 2.8.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21

85	0A	43	6C	6F	73	65	20	49	44	20
31	D0	04	00	0A	40	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.8.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32	D0	04	00	0A	00	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.8.3

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	33										

TERMINAL RESPONSE: CLOSE CHANNEL 2.8.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

ME

Destination device:

Source device:

UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.8.

27.22.4.28.2.9 CLOSE CHANNEL (support of Text Attribute – Strikethrough On)

27.22.4.28.2.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.9.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.9.3 Test purpose

To verify that the ME shall display the alpha identifier according to the strikethrough text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.9.4 Method of Test

27.22.4.28.2.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.28.2.9.4.2 Procedure

Expected sequence 2.9 (CLOSE CHANNEL, with Text Attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments					
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions					
2	ME SUICO	PENDING: OPEN CHANNEL 1.1.1 FETCH						
3	$ME \to UICC$ $UICC \to ME$	PROACTIVE COMMAND:						
		OPEN CHANNEL 1.1.1						
4	$ME \rightarrow USER$	The ME may display channel						
		opening information						
5	ME → USS	PDP context activation request						
6	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	PDP context activation accept TERMINAL RESPONSE: OPEN	[Command performed successfully]					
'	IVIL -> 0100	CHANNEL 1.1.1A	[Command ponomica decectioning]					
		or TERMINAL RESPONSE: OPEN						
		CHANNEL 1.1.1B						
8	$UICC \to ME$	PROACTIVE COMMAND						
		PENDING: CLOSE CHANNEL						
9	ME → UICC	2.9.1 FETCH						
10		PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with strikethrough					
		CHANNEL 2.9.1	on]					
11		PDP context deactivation request						
12	USS → ME	PDP context deactivation accept						
13	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.9.1	[Command performed successfully]					
14	$UICC \to ME$	PROACTIVE COMMAND						
		PENDING: OPEN CHANNEL 1.1.1						
15	$ME \rightarrow UICC$	FETCH						
16	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1						
17	$ME \rightarrow USER$	The ME may display channel						
''	INIE 7 GOER	opening information						
18		PDP context activation request						
19	USS → ME	PDP context activation accept	10					
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]					
		or						
		TERMINAL RESPONSE: OPEN						
21	$UICC \to ME$	CHANNEL 1.1.1B						
21	UICC → ME	PROACTIVE COMMAND PENDING: CLOSE CHANNEL						
		2.9.2						
22		FETCH						
23	$UICC \to ME$		[alpha identifier is displayed with strikethrough					
24	ME o USS	CHANNEL 2.9.2 PDP context deactivation request	off]					
25	$USS \rightarrow ME$	PDP context deactivation accept						
26	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]					
07		CHANNEL 2.9.1						
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1						
28	$ME \to UICC$	FETCH						
29	UICC → ME	PROACTIVE COMMAND:						
		OPEN CHANNEL 1.1.1						
30	$ME \rightarrow USER$	The ME may display channel						
31	ME o USS	opening information PDP context activation request						
32	USS → ME	PDP context activation accept						
33	$ME \to UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]					
		CHANNEL 1.1.1A						
		or TERMINAL RESPONSE: OPEN						
		CHANNEL 1.1.1B						

34	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.9.1	
35	ME → UICC	FETCH	
36	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL 2.9.1	[alpha identifier is displayed with strikethrough on]
37	$ME \rightarrow USS$	PDP context deactivation request	
38	$USS \to ME$	PDP context deactivation accept	
39	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.9.1	[Command performed successfully]
40	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
41	$ME \rightarrow UICC$	FETCH	
42	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
43	$ME \rightarrow USER$	The ME may display channel opening information	
44	$ME \rightarrow USS$	PDP context activation request	
45	$USS \to ME$	PDP context activation accept	
46	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
47	$UICC \to ME$	or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.9.3	
48	$ME \rightarrow UICC$	FETCH	
49	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.9.3	[alpha identifier is displayed with strikethrough off]
50	$ME \rightarrow USS$	PDP context deactivation request	
51	$USS \to ME$	PDP context deactivation accept	
52	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.9.1	[Command performed successfully]

PROACTIVE COMMAND: CLOSE CHANNEL 2.9.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	31	D0	04	00	0A	80	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.9.2

765

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32	D0	04	00	0A	00	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.9.3

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 3"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	33										

TERMINAL RESPONSE: CLOSE CHANNEL 2.9.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.9.

27.22.4.28.2.10 CLOSE CHANNEL (support of Text Attribute – Foreground and Background Colour)

27.22.4.28.2.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.2.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.28.2.10.3 Test purpose

To verify that the ME shall display the alpha identifier according to the foreground and background colour text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.10.4 Method of Test

27.22.4.28.2.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31

Packet data protocol:02 (IP) GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP

Port number: 44444

Data destination address 01.01.01.01

27.22.4.28.2.10.4.2 Procedure

Expected sequence 2.10 (CLOSE CHANNEL, with Text Attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
_		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
4	$ME \rightarrow USER$	OPEN CHANNEL 1.1.1	
4	IVIE → USER	The ME may display channel opening information	
5	$ME \to USS$	PDP context activation request	
6	USS → ME	PDP context activation accept	
7	ME → UICC	TERMINAL RESPONSE: OPEN	[Command performed successfully]
	WE 70100	CHANNEL 1.1.1A	[Command pomonned decederally]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
	ME IIIOO	2.10.1	
9	$ME \to UICC$ $UICC \to ME$	FETCH PROACTIVE COMMAND: CLOSE	Colobo identifier is displayed with foreground
10	UICC → IVIE	CHANNEL 2.10.1	[alpha identifier is displayed with foreground and background colour according to the text
		OT WINDER 2.10.1	attribute configuration]
11	$ME \to USS$	PDP context deactivation request	attribute corniguration;
12	$USS \to ME$	PDP context deactivation accept	
13	$ME \to UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.10.1	
14	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
15	ME → UICC	FETCH	
16	$UICC \to ME$	PROACTIVE COMMAND:	
17	ME LICED	OPEN CHANNEL 1.1.1 The ME may display channel	
17	$ME \rightarrow USER$	opening information	
18	$ME \to USS$	PDP context activation request	
19	USS → ME	PDP context activation accept	
20	ME → UICC	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL 2.10.2	
22	$ME \to UICC$	FETCH	
23	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with ME"s default
	3.00 / m2	CHANNEL 2.10.2	foreground and background colour]
24	$ME \to USS$	PDP context deactivation request	
25	$USS \to ME$	PDP context deactivation accept	
26	$ME \to UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.10.1	

PROACTIVE COMMAND: CLOSE CHANNEL 2.10.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 1"

Text Attribute

Formatting position: 0 Formatting length: 10

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	1B	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	31	D0	04	00	0A	00	B4				

PROACTIVE COMMAND: CLOSE CHANNEL 2.10.2

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC Destination device: Channel 1

Alpha Identifier "Close ID 2"

Coding:

BER-TLV:	D0	15	81	03	01	41	00	82	02	81	21
	85	0A	43	6C	6F	73	65	20	49	44	20
	32										

TERMINAL RESPONSE: CLOSE CHANNEL 2.10.1

Logically:

Command details

Command number: 1

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.2.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.10.

27.22.4.29 RECEIVE DATA

27.22.4.29.1 RECEIVE DATA (NORMAL)

27.22.4.29.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.1.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

to the UICC after the ME receives the RECEIVE DATA proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the ME and the network capabilities against asked parameters by the UICC.

27.22.4.29.1.4 Method of test

27.22.4.29.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME's default channel identifier as declared in table A.2/27.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 51.010-1 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.1.4.2 Procedure

Expected sequence 1.1 (RECEIVE DATA, already opened channel)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 PENDING	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	See initial conditions
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9	$ME \to USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.1.1	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (immediate) 1.1.1	
15	$ME \rightarrow USS$	Transfer of 8 Bytes of data to the USS through channel 1	[To retrieve ME's port number]
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 1.1.1	[Command performed successfully]
17	$USS \to ME$	Transfer of 1000 Bytes of data to the ME through channel 1 using the ME's port number, which was retrieved in step 15	
18	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD - Data available 1.1.1	(1000 Bytes of data in the ME buffer)
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 1.1.1	200 Bytes
22	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 1.1.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 1.1.2	
24		FETCH	
25		PROACTIVE COMMAND: RECEIVE DATA 1.1.2	200 Bytes
26		TERMINAL RESPONSE: RECEIVE DATA 1.1.2	
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.3	
28	$ME \rightarrow UICC$	FETCH	
29		PROACTIVE COMMAND: RECEIVE DATA 1.1.3	200 Bytes
30	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 1.1.3	
31	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.4	
32	$ME \rightarrow UICC$	FETCH	
33	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 1.1.4	200 Bytes
34	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 1.1.4	
35	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 1.1.5	
36	$ME \rightarrow UICC$	FETCH	
37		PROACTIVE COMMAND: RECEIVE DATA 1.1.5	200 Bytes
38	$ME \rightarrow UICC$	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: UICC 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: UICC

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: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV

D0	42	81	03	01	40	01	82	02	81	82	35
07	02	03	04	03	04	1F	02	39	02	03	E8
47	0A	06	54	65	73	74	47	70	02	72	73
0D	80	F4	55	73	65	72	4C	6F	67	0D	80
F4	55	73	65	72	50	77	64	3C	03	01	AD
9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00	
	38	02	81	00	35	07	02	03	04	03	04	1F	
	02	39	02	03	E8								

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

BER-TLV:	D0	13	81	03	01	43	01	82	02	81	21	B6
	08	00	01	02	03	04	05	06	07			

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: ME
Destination device: UICC

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	82	81	83	01	00
	B7	01	FF									

ENVELOPE: EVENT DOWNLOAD - Data available 1.1.1

Logically:

Event list

Event: Data available

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1 open, link established

Channel Data Length

Channel data length: FF (more than 255 bytes are available)

Coding:

BER-TLV:	D6	0E	99	01	09	82	02	82	81	B8	02	81
	00	B7	01	FF								

PROACTIVE COMMAND: RECEIVE DATA 1.1.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
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: UICC
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	В7
	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: UICC
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	В7
	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: UICC
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: UICC
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: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	В6	81	C8	00	01	02		C7	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: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data: C8 C9 CA .. FF 00 01 .. 8F (200 Bytes of data)

Channel data length: FF

Coding:

BER-TLV:	81	03	02	42	00	82	02	82	81	83	01	00
	B6	81	C8	C8	C9	CA		FF	00	01	02	
	8F	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: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 90.91 ... FF 00.01 - 57 (200 Bytes of data)

Channel data length: FF

Coding:

BER-TLV:	81	03	03	42	00	82	02	82	81	83	01	00
	B6	81	C8	90	91	92		FF	00	01	02	
	57	В7	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: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data : 58 59 .. FF 00 01 .. 1F (200 Bytes of data)

Channel data length: C8

Coding:

BER-TLV:	81	03	04	42	00	82	02	82	81	83	01	00
	В6	81	C8	58	59	5A		FF	00	01	02	
	1F	В7	01	C8								

TERMINAL RESPONSE: RECEIVE DATA 1.1.5

Logically:

Command details

Command number: 5

Command type: RECEIVE DATA
Command qualifier: RFUDevice identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data: 20 21 .. E7 (200 Bytes of data)

Channel data length: 00

Coding:

BER-TLV:	81	03	05	42	00	82	02	82	81	83	01	00
	В6	81	C8	20	21	22		E7	В7	01	00	

27.22.4.29.5 Test requirement

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

27.22.4.29.2 RECEIVE DATA (support of Text Attribute)

27.22.4.29.2.1 RECEIVE DATA (support of Text Attribute – Left Alignment)

27.22.4.29.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.1.3 Test purpose

To verify that the ME shall display the alpha identifier according to the left alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.1.4 Method of test

27.22.4.29.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog

User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.1.4.2 Procedure

Expected sequence 2.1 (RECEIVE DATA, with Text Attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1 PENDING	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9	$ME \to USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		1.1.1A	, , , , , , , , , , , , , , , , , , , ,
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.1.1	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (immediate) 1.1.1	
15	$ME \rightarrow USS$	Transfer of 8 Bytes of data to the USS through channel 1	[To retrieve ME's port number]
16	$ME \to UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 1.1.1	[Command performed successfully]
17	$USS \to ME$	Transfer of 400 Bytes data to the ME through channel 1 using the ME's port number, which was retrieved in step 15	
18	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Data	(400 Bytes of data in the ME buffer)
19	$UICC \to ME$	available 2.1.1ENVELOPE (Data Available) PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.1.1	
20	ME → UICC	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.1.1	200 Bytes with alpha identifier is displayed with left alignment
22	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.1.1	juispiayed with left alignment
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
	NE :::00	DATA 2.1.2	
24	ME → UICC	FETCH	200 Distance with alpha identification in the
25	UICC → ME	PROACTIVE COMMAND: RECEIVE DATA 2.1.2	200 Bytes with alpha identifier shall be formatted without left alignment. Remark: If left alignment is the ME"s default alignment as declared in table A.2/21, no alignment change will take
		TERMINAL RESPONDE SECRETARIA	place
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.1.1	

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Logically:

Event list

Event: Data available

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1 open, link established

Channel Data Length

Channel data length: FF (more than 255 bytes are available)

Coding:

BER-TLV:	D6	0E	99	01	09	82	02	82	81	B8	02	81
	00	B7	01	FF								

PROACTIVE COMMAND: RECEIVE DATA 2.1.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	В7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.1.2

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	В7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.1.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

	BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
•		B6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.1.5 Test Requirement

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

27.22.4.29.2.2 RECEIVE DATA (support of Text Attribute – Center Alignment)

27.22.4.29.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.2.3 Test purpose

To verify that the ME shall display the alpha identifier according to the center alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.2.4 Method of test

27.22.4.29.2.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog
User password: UserPwd
UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.2.4.2 Procedure

Expected sequence 2.2 (RECEIVE DATA, with Text Attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1 PENDING	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
5	LUCC ME	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	See initial conditions
6	$ME \rightarrow UICC$		
7		PROACTIVE COMMAND: OPEN CHANNEL	
	0.00 /	1.1.1	
8	$\begin{array}{c} ME \to \\ USER \end{array}$	The ME may display channel opening information	
9		PDP context activation request	
10		PDP context activation accept	
11		TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
	, 0.00	1.1.1A	[[]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
12	UICC → ME	PROACTIVE COMMAND PENDING: SEND	
40	ME LUCC	DATA 1.1.1	
13 14	ME → UICC	PROACTIVE COMMAND: SEND DATA	
14	OICC - IVIE	(immediate) 1.1.1	
15	MF → USS	Transfer of 8 Bytes of data to the USS through	[To retrieve ME's port number]
	WIE 7 000	channel 1	[
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
		(immediate) 1.1.1	
17	$USS \to ME$		
		channel 1 using the ME's port number, which was	
18	ME VIICO	retrieved in step 15 ENVELOPE: EVENT DOWNLOAD - Data	(400 Bytes of data in the ME buffer)
10	INIE → DICC	available 2.1.1	(400 Bytes of data in the ME buller)
19	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE	
	OTOG 7 IVIE	DATA 2.2.1	
20	$ME \rightarrow UICC$		
21		PROACTIVE COMMAND: RECEIVE DATA 2.2.1	200 Bytes with alpha identifier is
			displayed with center alignment
22		TERMINAL RESPONSE: RECEIVE DATA 2.2.1	
23	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE	
24	$ME \rightarrow UICC$	DATA 2.2.2	
2 4 25		PROACTIVE COMMAND: RECEIVE DATA 2.2.2	200 Bytes with alpha identifier shall be
20		TO TO THE CONTINUE INCOLINE DATA 2.2.2	formatted without center alignment.
			Remark: If center alignment is the
			ME"s default alignment as declared in
			table A.2/21, no alignment change will
			take place
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.2.1	

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.2.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Center Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	В7	01	C8	D0	04	00	0E	01	B4

PROACTIVE COMMAND: RECEIVE DATA 2.2.2

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	В7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.2.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	B6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.2.5 Test Requirement

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

27.22.4.29.2.3 RECEIVE DATA (support of Text Attribute – Right Alignment)

27.22.4.29.2.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.3.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.3.3 Test purpose

To verify that the ME shall display the alpha identifier according to the right alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.3.4 Method of test

27.22.4.29.2.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.3.4.2 Procedure

Expected sequence 2.3 (RECEIVE DATA, with Text Attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
_		1.1.1 PENDING	
2		FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
·	WIE 7 0100	1.1.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	
6		FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
8	ME → USER	The ME may display channel opening information	
9	ME → USS	PDP context activation request	
10	USS → ME	PDP context activation accept	[Company of montones of company of the company of t
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		DATA 1.1.1	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
4.5	ME	(immediate) 1.1.1	ITa natriava MEla mant munahanl
15	$ME \rightarrow USS$	Transfer of 8 Bytes of data to the USS through channel 1	[To retrieve ME's port number]
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
	/ 0.00	(immediate) 1.1.1	[[]
17	$USS \to ME$	Transfer of 400 Bytes data to the ME through	
		channel 1 using the ME's port number, which was	
		retrieved in step 15	
18	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Data	(400 Bytes of data in the ME buffer)
10	LUCO	available 2.1.1	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.3.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \rightarrow ME$		200 Bytes with alpha identifier is
	OIOO / IVIL	THOMETIVE CONTINUES INCOME BY THE CONTINUES IN	displayed with right alignment
22	$ME \to UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.3.1	, , ,
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.3.2	
24	$ME \to UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.3.2	200 Bytes with alpha identifier shall be
			formatted without right alignment.
			Remark: If right alignment is the ME"s
			default alignment as declared in table A.2/21, no alignment change will take
			place
26	$ME \to UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.3.1	P14400

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.3.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	В7	01	C8	D0	04	00	0E	02	B4

PROACTIVE COMMAND: RECEIVE DATA 2.3.2

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	В7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.3.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	B6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.3.

27.22.4.29.2.4 RECEIVE DATA (support of Text Attribute – Large Font Size)

27.22.4.29.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.4.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.4.3 Test purpose

To verify that the ME shall display the alpha identifier according to the large font size text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.4.4 Method of test

27.22.4.29.2.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.4.4.2 Procedure

Expected sequence 2.4 (RECEIVE DATA, with Text Attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1 PENDING	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME	1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
3		CHANNEL 1.1.1	See Illina Coridinoris
6	$ME \rightarrow UICC$	FETCH	
7	UICC → ME	PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9	$ME \to USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		1.1.1A	
		Or TERMINIAL RECOGNICE, ORENI CHANNEL	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
12		DATA 1.1.1	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
		(immediate) 1.1.1	
15	$ME \to USS$	Transfer of 8 Bytes of data to the USS through	[To retrieve ME's port number]
		channel 1	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
47		(immediate) 1.1.1	
17	$USS \to ME$	Transfer of 800 Bytes data to the ME through	
		channel 1 using the ME's port number, which was retrieved in step 15	
18	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Data	(800 Bytes of data in the ME buffer)
	WE 70100	available 2.1.1	(coo bytes of data in the ME buller)
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.4.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.4.1	200 Bytes with alpha identifier is
		TERMINAL RESPONSE RESENTERATION	displayed with large font size
22	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.4.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
24	ME → UICC	DATA 2.4.2 FETCH	
25	$UICC \to DICC$	PROACTIVE COMMAND: RECEIVE DATA 2.4.2	200 Bytes with alpha identifier is
		TO TO THE CONTINUITED. NEOLIVE DATA 2.4.2	displayed with normal font size
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.4.1	in any sur man monnion to the other
27	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.4.1	
28	$ME \rightarrow UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.4.1	200 Bytes with alpha identifier is
		TERMINAL REGRONGE RECENTERATION	displayed with large font size
30	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.4.1	
31	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.4.3	
32	ME LUCC	FETCH	
32 33	ME → UICC	PROACTIVE COMMAND: RECEIVE DATA 2.4.3	200 Bytes with alpha identifier is
33	$UICC \to ME$	I NOAGTIVE GOIVIIVIAIND. RECEIVE DATA 2.4.3	displayed with normal font size
34	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.4.1	alopiayod with normal fort 3126
	L / 0100		

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.4.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Large Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	B7	01	C8	D0	04	00	0E	04	B4

PROACTIVE COMMAND: RECEIVE DATA 2.4.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	В7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.4.3

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	33	В7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.4.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	B6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.4.

27.22.4.29.2.5 RECEIVE DATA (support of Text Attribute – Small Font Size)

27.22.4.29.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.5.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.5.3 Test purpose

To verify that the ME shall display the alpha identifier according to small font size the text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.5.4 Method of test

27.22.4.29.2.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.5.4.2 Procedure

Expected sequence 2.5 (RECEIVE DATA, with Text Attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1		PROACTIVE COMMAND: SET UP EVENT LIST	
2		1.1.1 PENDING FETCH	
3		PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1	
4		TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	
5		PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	See initial conditions
6 7		FETCH PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9		PDP context activation request	
10		PDP context activation accept	
11	ME → UICC	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.1.1	
13	$ME \to UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (immediate) 1.1.1	
15	$ME \to USS$	Transfer of 8 Bytes of data to the USS through channel 1	[To retrieve ME's port number]
16	$ME \to UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 1.1.1	[Command performed successfully]
17	$USS \to ME$	Transfer of 800 Bytes data to the ME through channel 1 using the ME's port number, which was retrieved in step 15	
18	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1	(800 Bytes of data in the ME buffer)
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.5.1	
20	$ME \to UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.5.1	200 Bytes with alpha identifier is displayed with small font size
22 23		TERMINAL RESPONSE: RECEIVE DATA 2.5.1 PROACTIVE COMMAND PENDING: RECEIVE DATA 2.5.2	
24	$ME \to UICC$	FETCH	
25		PROACTIVE COMMAND: RECEIVE DATA 2.5.2	200 Bytes with alpha identifier is displayed with normal font size
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.5.1	and the state of t
27	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.5.1	
28 29	$ME \to UICC$ $UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.5.1	200 Bytes with alpha identifier is displayed with small font size
30	$ME \to UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.5.1	alopiayou with sinali forit size
31	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.5.3	
32	$ME \to UICC$	FETCH	
33	UICC → ME	PROACTIVE COMMAND: RECEIVE DATA 2.5.3	200 Bytes with alpha identifier is displayed with normal font size
34	$ME \to UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.5.1	

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.5.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

1

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Small Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	B7	01	C8	D0	04	00	0E	80	B4

PROACTIVE COMMAND: RECEIVE DATA 2.5.2

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.5.3

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	33	B7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.5.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	B6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.5.5 Test Requirement

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

27.22.4.29.2.6 RECEIVE DATA (support of Text Attribute – Bold On)

27.22.4.29.2.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.6.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.6.3 Test purpose

To verify that the ME shall display the alpha identifier according to the bold text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.6.4 Method of test

27.22.4.29.2.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.6.4.2 Procedure

Expected sequence 2.6 (RECEIVE DATA, with Text Attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
_		1.1.1 PENDING	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME LUCC	1.1.1 TERMINAL RESPONSE: SET UP EVENT LIST	
4	$ME \rightarrow UICC$	1.1.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
	OIOO / IVIL	CHANNEL 1.1.1	ese initial serialiterie
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9	$ME \to USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		1.1.1A	
		OF	
		TERMINAL RESPONSE: OPEN CHANNEL	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
12	OICC - WIL	DATA 1.1.1	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
		(immediate) 1.1.1	
15	$ME \rightarrow USS$	Transfer of 8 Bytes of data to the USS through	[To retrieve ME's port number]
		channel 1	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
17	LIGO ME	(immediate) 1.1.1	
17	$USS \to ME$	Transfer of 800 Bytes data to the ME through channel 1 using the ME's port number, which was	
		retrieved in step 15	
18	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Data	(800 Bytes of data in the ME buffer)
	,	available 2.1.1	(555 = 5555 51 5555 51 515 515 515 515 51
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.6.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.6.1	200 Bytes with alpha identifier is
00	NAT 11100	TERMINIAL DECRONOS: DECENTS DATA O CA	displayed with bold on
22	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.6.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.6.2	
24	ME → UICC	FETCH	
25	$VICC \rightarrow ME$	PROACTIVE COMMAND: RECEIVE DATA 2.6.2	200 Bytes with alpha identifier is
	3.00 / WL		displayed with bold off
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.6.1	
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.6.1	
28	$ME \rightarrow UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.6.1	200 Bytes with alpha identifier is
20	ME	TEDMINIAL DECDONICE, DECENTE DATA O CA	displayed with bold on
30	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.6.1	
31	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.6.3	
32	ME → UICC	FETCH	
33	$UICC \to ME$		200 Bytes with alpha identifier is
	JIJJ → IVIE		displayed with bold off
34	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.6.1	

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.6.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

1

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	B7	01	C8	D0	04	00	0E	10	B4

PROACTIVE COMMAND: RECEIVE DATA 2.6.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	В7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.6.3

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: **RFU**

Device identities

Source device: **UICC** Destination device: Channel 1

Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	33	B7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.6.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: **RFU**

Device identities

Source device: ME Destination device: **UICC**

Result

Command performed successfully General Result: 00 01 02 .. C7 (200 Bytes of data)

Channel Data:

Channel data length: FF

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	B6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.6.

27.22.4.29.2.7 RECEIVE DATA (support of Text Attribute – Italic On)

27.22.4.29.2.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.7.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.7.3 Test purpose

To verify that the ME shall display the alpha identifier according to the italic text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.7.4 Method of test

27.22.4.29.2.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.7.4.2 Procedure

Expected sequence 2.7 (RECEIVE DATA, with Text Attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1 PENDING	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME	1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
3		CHANNEL 1.1.1	See Illina Coridinoris
6	$ME \rightarrow UICC$	FETCH	
7	UICC → ME	PROACTIVE COMMAND: OPEN CHANNEL	
	0.00 /	1.1.1	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9	$ME \to USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		1.1.1A	
		Or TERMINIAL RECOGNICE, ORENI CHANNEL	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
12		DATA 1.1.1	
13	$ME \to UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
		(immediate) 1.1.1	
15	$ME \to USS$	Transfer of 8 Bytes of data to the USS through	[To retrieve ME's port number]
		channel 1	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
47	1100 145	(immediate) 1.1.1	
17	$USS \to ME$	Transfer of 800 Bytes data to the ME through channel 1 using the ME's port number, which was	
		retrieved in step 15	
18	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Data	(800 Bytes of data in the ME buffer)
	WE 70100	available 2.1.1ENVELOPE	(coo bytes of data in the ME buller)
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.7.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.7.1	200 Bytes with alpha identifier is
		TERMINAL RESPONSE RESENTERATION	displayed with italic on
22	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.7.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
24	ME → UICC	DATA 2.7.2 FETCH	
25	$UICC \to ME$	I -	200 Bytes with alpha identifier is
		TO TO THE CONTINUITED. NEOLIVE DATA 2.1.2	displayed with italic off
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.7.1	
27	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE	
	_	DATA 2.7.1	
28	$ME \rightarrow UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.7.1	200 Bytes with alpha identifier is
		TERMINAL REGRONGE RECENTERATION	displayed with italic on
30	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.7.1	
31	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
32	ME LUCC	DATA 2.7.3 FETCH	
32 33	$ME \to UICC$ $UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.7.3	200 Bytes with alpha identifier is
		TOTO TIVE CONTINUATED. NECETVE DATA 2.7.3	displayed with italic off
34	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.7.1	Sisping on mail naile on

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.7.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

1

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	В7	01	C8	D0	04	00	0E	20	B4

PROACTIVE COMMAND: RECEIVE DATA 2.7.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	В7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.7.3

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	33	В7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.7.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully nel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel Data : 00 01 02 .. C7 (200 Byte FF

Chamici data length.

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	B6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.7.

27.22.4.29.2.8 RECEIVE DATA (support of Text Attribute – Underline On)

27.22.4.29.2.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.8.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.8.3 Test purpose

To verify that the ME shall display the alpha identifier according to the underline text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.8.4 Method of test

27.22.4.29.2.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.8.4.2 Procedure

Expected sequence 2.8 (RECEIVE DATA, with Text Attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1 PENDING	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	$ME \to UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
"	IVIE → UICC	1.1.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
8	ME → USER	The ME may display channel opening information	
9	ME → USS	PDP context activation request	
10	USS → ME	PDP context activation accept	[Company of montones of acceptable]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		DATA 1.1.1	
13	ME → UICC	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
15	$ME \to USS$	(immediate) 1.1.1 Transfer of 8 Bytes of data to the USS through	[To retrieve ME's port number]
13	IVIL -> 000	Ichannel 1	[10 Tetrieve IVIL 3 port Humber]
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
		(immediate) 1.1.1	
17	$USS \to ME$	Transfer of 800 Bytes data to the ME through	
		channel 1 using the ME's port number, which was	
40	ME	retrieved in step 15	(COO LD) to a of data in the NAT buffer)
18	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1	(800 kBytes of data in the ME buffer)
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
	Oldo / WIE	DATA 2.8.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.8.1	200 Bytes with alpha identifier is
			displayed with underline on
22		TERMINAL RESPONSE: RECEIVE DATA 2.8.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.8.2	
24	ME → UICC	FETCH	
25	$VICC \rightarrow ME$		200 Bytes with alpha identifier is
25	SIGG / IVIL		displayed with underline off
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.8.1	
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.8.1	
28	$ME \rightarrow UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.8.1	200 Bytes with alpha identifier is
30	ME LUCC	TERMINAL RESPONSE: RECEIVE DATA 2.8.1	displayed with underline on
30 31	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	PROACTIVE COMMAND PENDING: RECEIVE	
31		DATA 2.8.3	
32	ME → UICC	FETCH	
33	UICC → ME		200 Bytes with alpha identifier is
			displayed with underline off
34	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.8.1	

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.8.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

1

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	B7	01	C8	D0	04	00	0E	40	B4

PROACTIVE COMMAND: RECEIVE DATA 2.8.2

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.8.3

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	33	В7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.8.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	В6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.8.

27.22.4.29.2.9 RECEIVE DATA (support of Text Attribute – Strikethrough On)

27.22.4.29.2.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.9.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.9.3 Test purpose

To verify that the ME shall display the alpha identifier according to the strikethrough text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.9.4 Method of test

27.22.4.29.2.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.9.4.2 Procedure

Expected sequence 2.9 (RECEIVE DATA, with Text Attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
_		1.1.1 PENDING	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME . IIICC	1.1.1 TERMINAL RESPONSE: SET UP EVENT LIST	
4	$ME \rightarrow UICC$	1.1.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	Coo mindi conditions
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9	$ME \to USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		1.1.1A	
		or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
	OIGG 7 WIE	DATA 1.1.1	
13	$ME \to UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
		(immediate) 1.1.1	
15	$ME \to USS$	Transfer of 8 Bytes of data to the USS through	[To retrieve ME's port number]
		channel 1	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
17	LICC . ME	(immediate) 1.1.1 Transfer of 800 Bytes data to the ME through	
17	$USS \to ME$	channel 1 using the ME's port number, which was	
		retrieved in step 15	
18	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD - Data	(800 Bytes of data in the ME buffer)
		available 2.1.1	,
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.9.1	
20	ME → UICC	FETCH	000 5 4 34 44 44 47
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.9.1	200 Bytes with alpha identifier is
22	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.9.1	displayed with strikethrough on
23	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE	
20		DATA 2.9.2	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \rightarrow ME$		200 Bytes with alpha identifier is
			displayed with strikethrough off
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.9.1	
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
00	NAE :	DATA 2.9.1	
28	ME → UICC	FETCH	200 Didge with alpha identification
29	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.9.1	200 Bytes with alpha identifier is displayed with strikethrough on
30	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.9.1	uispiayeu witti strikethiough on
31	$VICC \rightarrow VICC$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.9.3	
32	$ME \rightarrow UICC$	FETCH	
33	$UICC \rightarrow ME$		200 Bytes with alpha identifier is
			displayed with strikethrough off
34	$ME \to UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.9.1	

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.9.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

1

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	B7	01	C8	D0	04	00	0E	80	B4

PROACTIVE COMMAND: RECEIVE DATA 2.9.2

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	В7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.9.3

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1

Alpha Identifier "Receive Data 3"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	33	В7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.9.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully el Data : 00 01 02 .. C7 (200 Bytes of data)

Channel Data : 00 01 02 .. C7 (200 B)
Channel data length: FF

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	B6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.9.

27.22.4.29.2.10 RECEIVE DATA (support of Text Attribute – Foreground and Background Colour)

27.22.4.29.2.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.29.2.10.3 Test purpose

To verify that the ME shall display the alpha identifier according to the foreground and background colour text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.10.4 Method of test

27.22.4.29.2.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format: UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.29.2.10.4.2 Procedure

Expected sequence 2.10 (RECEIVE DATA, with Text Attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1 PENDING	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
5	$UICC \to ME$	1.1.1 PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	loce initial conditions
6	$ME \to UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
8		The ME may display channel opening information	
9	$ME \to USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		1.1.1A	
		or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
'-	0100 7 WIE	DATA 1.1.1	
13	$ME \to UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
		(immediate) 1.1.1	
15	$ME \to USS$	Transfer of 8 Bytes of data to the USS through	[To retrieve ME's port number]
4.0		channel 1	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
17	$USS \to ME$	(immediate) 1.1.1 Transfer of 400 Bytes data to the ME through	
17	USS → IVIE	channel 1 using the ME's port number, which was	
		retrieved in step 15	
18	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD - Data	(400 Bytes of data in the ME buffer)
		available 2.1.1	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.10.1	
20	ME → UICC	FETCH	200 Distance with alpha identification
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA	200 Bytes with alpha identifier is
		2.10.1	displayed with foreground and background colour
22	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.10.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
	3.33 / IVIL	DATA 2.10.2	
24	$ME \to UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA	200 Bytes with alpha identifier is
		2.10.2	displayed with ME"s default foreground
		TERMINAL REGROUGE RECENTERATIONS	and background colour
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.10.1	

PROACTIVE COMMAND: SEND DATA 1.1.1

Same as PROACTIVE COMMAND: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

TERMINAL RESPONSE: SEND DATA 1.1.1

Same as TERMINAL RESPONSE: SEND DATA 1.1.1 in clause 27.22.4.29.1.4.2.

ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Same as cl. 27.22.4.29.2.1.4.2, ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1.

PROACTIVE COMMAND: RECEIVE DATA 2.10.1

Logically:

Command details

Command number: 1

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 1"

Channel Data Length

Channel Data Length: 200

Text Attribute

Formatting position: 0 Formatting length: 14

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	22	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	31	В7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.10.2

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Receive Data 2"

Channel Data Length

Channel Data Length: 200

Coding:

BER-TLV:	D0	1C	81	03	01	42	00	82	02	81	21	85
	0E	52	65	63	65	69	76	65	20	44	61	74
	61	20	32	В7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.10.1

Logically:

Command details

Command number:

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Channel data length: FF

Coding:

BER-TLV:	81	03	01	42	00	82	02	82	81	83	01	00
	В6	81	C8	00	01	02		C7	B7	01	FF	

27.22.4.29.2.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.10.

27.22.4.30 SEND DATA

27.22.4.30.1 SEND DATA (normal)

27.22.4.30.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.1.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (ME currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);
- TERMINAL RESPONSE (Proactive USIM session terminated by the user);

to the UICC after the ME receives the SEND DATA proactive command. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

27.22.4.30.1.4 Method of test

27.22.4.30.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Channel identifier value used for these tests is set to 1 as an example.

This channel identifier is dependent on the ME's default channel identifier as declared in table A.2/27

The following Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.1.4.2 Procedure

Expected sequence 1.1 (SEND DATA, immediate mode)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
_		PENDING: OPEN CHANNEL 1.1.1	
2	L / 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$, ,	
_		opening information	
5		PDP context activation request	
6		PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
	LUCO ME	CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.1.1	
9	ME LUCC	FETCH	
-	L / 0.00	. = . *	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
11	ME LICC	DATA (immediate) 1.1.1	
	$ME \rightarrow USS$	Transfer of 8 Bytes of data to the USS through channel 1	
12	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
12	IVIE → UICC		
<u> </u>		DATA (immediate) 1.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV

D0	42	81	03	01	40	01	82	02	81	82	35
07	02	03	04	03	04	1F	02	39	02	03	E8
47	0A	06	54	65	73	74	47	70	02	72	73
0D	80	F4	55	73	65	72	4C	6F	67	0D	80
F4	55	73	65	72	50	77	64	3C	03	01	AD
9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	03	E8							

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31

Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

BER-TLV:	D0	13	81	03	01	43	01	82	02	81	21	B6
	08	00	01	02	03	04	05	06	07			

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: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

BER-TLV:	81	03	01	43	01	82	02	82	81	83	01	00
	В7	01	FF									

Expected sequence 1.2 (SEND DATA, Store mode)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		OPEN CHANNEL 1.1.1	See initial conditions
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
4	ME LICED	CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel opening information	
5	$ME \to USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \to UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		Of	
		TERMINAL RESPONSE: OPEN ICHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SEND DATA 1.2.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	Send 500 Bytes of data (200 + 200 + 100)
		DATA (store mode) 1.2.1	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
40		DATA (store mode) 1.2.1	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: ISEND DATA 1.2.2	
13	$ME \to UICC$	FETCH	
14	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[200 Bytes]
'	OIOO / IVIL	DATA (store mode) 1.2.2	
15	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (store mode) 1.2.2	
16	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
l		SEND DATA 1.2.3	
17	ME → UICC	FETCH	[400 Butss]
18	$UICC \to ME$		[100 Bytes]
19	ME o USS	DATA (Immediate mode) 1.2.3 Transfer of 500 Bytes of data to the	
19	IVIE → USS	USS through channel 1	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (Immediate mode) 1.2.3	

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: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. C7 (200 Bytes of data)

Coding:

BER-TLV:	D0	81	D4	81	03	01	43	00	82	02	81	21
	В6	81	C8	00	01		C7					

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: ME
Destination device: UICC

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	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: C8 C9 .. FF 00 01 .. 8F (200 Bytes of data)

Coding:

BER-TLV:	D0	81	D4	81	03	01	43	00	82	02	81	21
	B6	81	C8	C8	C9	:	FF	00	01		8F	

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: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

BER-TLV:	81	03	01	43	00	82	02	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: 90 91 .. F3 (100 Bytes of data)

Coding:

BER-TLV:	D0	6F	81	03	01	43	01	82	02	81	21	B6
	64	90	91		F3							

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: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

BER-TLV:	81	03	01	43	01	82	02	82	81	83	01	00
	В7	01	FF									

Expected sequence 1.3 (SEND DATA, Store mode, Tx buffer fully used)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
4	$ME \rightarrow USER$	The ME may display channel opening	
		information	
5	$ME \to USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN CHANNEL	
_		1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		DATA 1.3.1	
9	ME → UICC		0 14000 B + 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store	Send 1000 Bytes of data by packet of 200
11	ME LUGO	mode) 1.3.1	Bytes
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1	[Command performed successfully]
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
12	OICC → IVIE	DATA 1.3.2	
13	$ME \rightarrow UICC$	FETCH	
14	UICC → ME	PROACTIVE COMMAND: SEND DATA (store	[200 Bytes]
'-	OICC - IVIL	mode) 1.3.2	[200 Bytes]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store	[Command performed successfully]
	WIE 7 0100	mode) 1.3.2	[command ponomica daddocaramy]
16	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		DATA 1.3.3	
17	$ME \rightarrow UICC$	FETCH	
18	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store	[200 Bytes]
		mode) 1.3.3	
19	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store	[Command performed successfully]
		mode) 1.3.3	
20	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
.		DATA 1.3.4	
21		FETCH	
22	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store	[200 Bytes]
22	ME . LUGG	mode) 1.3.4	[Command parformed consent that
23	IVIE → UICC	TERMINAL RESPONSE: SEND DATA (store	[Command performed successfully]
24	LUCC ME	mode) 1.3.4 PROACTIVE COMMAND PENDING: SEND	
24	$UICC \to ME$	DATA 1.3.5	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
20		(immediate) 1.3.5	
27	$ME \to USS$	Transfer of 1000 Bytes of data to the USS	
	/ 000	through channel 1	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
		(immediate) 1.3.5	

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: UICC
Destination device: Channel 1

Channel Data

Channel Data : 00 01 02 .. C7 (200 Bytes of data)

Coding:

BER-TLV:	D0	81	D4	81	03	01	43	00	82	02	81	21
	B6	81	C8	00	01	02		C7				

TERMINAL RESPONSE: SEND DATA 1.3.1

Logically:

Command details

Command number:

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	В7	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: C8 C9 CA .. FF 00 01 .. 8F (200 Bytes of data)

Coding:

BER-TLV:	D0	81	D4	81	03	01	43	00	82	02	81	21
	В6	81	C8	C8	C9	CA		FF	00	02		8F

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: ME
Destination device: UICC

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	82	81	83	01	00
	В7	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: 90 91 .. FF 00 01 .. 57 (200 Bytes of data)

Coding:

BER-TLV:	D0	81	D4	81	03	01	43	00	82	02	81	21
	В6	81	C8	90	91		FF	00	01		57	

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: ME
Destination device: UICC

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	82	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: 58 59 .. FF 00 01 .. 1F (200 Bytes of data)

Coding:

BER-TLV:	D0	81	D4	81	03	01	43	00	82	02	81	21
	B6	81	C8	58	59	:	FF	00	01	:	1F	

TERMINAL RESPONSE: SEND DATA 1.3.4

Logically:

Command details

Command number:

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: ME
Destination device: UICC

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	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: 20 21 .. E7 (200 Bytes of data)

Coding:

BER-TLV:	D0	81	D4	81	03	01	43	01	82	02	81	21
	В6	81	C8	20	21		E7					

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: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

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

Expected sequence 1.4 (SEND DATA, 2 consecutive SEND DATA Store mode)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$		See initial conditions
		CHANNEL 1.1.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel opening linformation	
5	$ME \to USS$	PDP context activation request	
6		PDP context activation accept	
7	$ME \rightarrow UICC$		[Command performed successfully]
		1.1.1A lor	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8		PROACTIVE COMMAND PENDING: SEND DATA 1.3.1	
9	ME → UICC		0 14000 B / / / / / / / / / / / / / / / / /
10	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	Send 1000 Bytes of data by packet of 200 Bytes
11	$ME \to UICC$	(store mode) 1.3.1 TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1	[Command performed successfully]
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		DATA 1.3.2	
13	ME → UICC		[200 D. 400]
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2	[200 Bytes]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.2	[Command performed successfully]
16	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.3	
17		FETCH	
18	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
19	$ME \to UICC$	(store mode) 1.3.3 TERMINAL RESPONSE: SEND DATA (store mode) 1.3.3	[Command performed successfully]
20	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.4	
21		FETCH	
22	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
23	$ME \rightarrow UICC$	(store mode) 1.3.4 TERMINAL RESPONSE: SEND DATA (store mode) 1.3.4	[Command performed successfully]
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		DATA 1.3.5	
25		FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
27	$ME \rightarrow USS$	(immediate) 1.3.5 Transfer of 1000 Bytes of data to the USS through channel 1	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5	[Command performed successfully]
29	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.1	
30		FETCH	
31	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	Send 1000 Bytes of data by packet of 200 Bytes
32	$ME \to UICC$	(store mode) 1.3.1 TERMINAL RESPONSE: SEND DATA (store mode) 1.3.1	[Command performed successfully]
33	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.2	
34	$ME \rightarrow UICC$	FETCH	
35	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2	[200 Bytes]
36	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.2	[Command performed successfully]

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.3	
38	$ME \rightarrow UICC$		
39			[200 Bytes]
40	$ME \to UICC$	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.3	[Command performed successfully]
41	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.4	
42	$ME \to UICC$	FETCH	
43	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
		(store mode) 1.3.4	
44	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store	[Command performed successfully]
		mode) 1.3.4	
45	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
		DATA 1.3.5	
46	$ME \rightarrow UICC$		
47	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	[200 Bytes]
		(immediate) 1.3.5	
48	$ME \to USS$	Transfer of 1000 Bytes of data to the USS	
		through channel 1	
49	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
		(immediate) 1.3.5	

Expected sequence 1.5 (SEND DATA, immediate mode with a bad channel identifier)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
		opening information	
5	$ME \rightarrow USS$	PDP context activation request	
6		PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 1.5.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DATA (immediate) 1.5.1	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Invalid channel number]
		DATA (immediate) 1.5.1	

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: UICC
Destination device: Channel 2

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

BER-TLV:	D0	13	81	03	01	43	01	82	02	81	22	B6
	08	00	01	02	03	04	05	06	07			

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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: ME
Destination device: UICC

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	82	81	83	02	ЗА
-	03											

Expected sequence 1.6 Void

27.22.4.30.1.5 Test requirement

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

27.22.4.30.2 SEND DATA (support of Text Attribute)

27.22.4.30.2.1 SEND DATA (support of Text Attribute – Left Alignment)

27.22.4.30.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.1.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.1.3 Test purpose

To verify that the ME shall display the alpha identifier according to the left alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.1.4 Method of test

27.22.4.30.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.1.4.2 Procedure

Expected sequence 2.1 (SEND DATA with Text Attribute – Left Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
_		opening information	
5	$ME \rightarrow USS$	PDP context activation request	
6		PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		OF	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
0		PENDING: SEND DATA 2.1.1	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with left
10		DATA 2.1.1	alignment]
11	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
''	IVIL -> 0100	DATA (immediate) 2.1.1	[Command performed adocestrally]
12	$UICC \to ME$	PROACTIVE COMMAND	
'-	0.00 /	PENDING: SEND DATA 2.1.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[Message shall be formatted without left
		DATA 2.1.2	alignment. Remark: If left alignment is the
			ME"s default alignment as declared in table
			A.2/22, no alignment change will take place]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.1.1	

PROACTIVE COMMAND: SEND DATA 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	В6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	00	B4								

PROACTIVE COMMAND: SEND DATA 2.1.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	В6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.1.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	В7	01	FF									

27.22.4.30.2.1.5 Test Requirement

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

27.22.4.30.2.2 SEND DATA (support of Text Attribute – Center Alignment)

27.22.4.30.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.2.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.2.3 Test purpose

To verify that the ME shall display the alpha identifier according to the center alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.2.4 Method of test

27.22.4.30.2.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd
UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.2.4.2 Procedure

Expected sequence 2.2 (SEND DATA with Text Attribute – Center Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
5	ME LIGO	opening information	
6	ME → USS	PDP context activation request	
7	USS → ME	PDP context activation accept TERMINAL RESPONSE: OPEN	[Command parformed augeografiche]
_ ′	$ME \rightarrow UICC$	CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.2.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with center
		DATA 2.2.1	alignment]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
40		DATA (immediate) 2.2.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
13	$ME \rightarrow UICC$	PENDING: SEND DATA 2.2.2 FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND	[Message shall be formatted without center
14	OICC → IVIE	DATA 2.2.2	alignment. Remark: If center alignment is the
		D. (17, 2.2.2	ME"s default alignment as declared in table
			A.2/22, no alignment change will take place]
15	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.2.1	

PROACTIVE COMMAND: SEND DATA 2.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Center Alignment, Normal Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	01	B4								

PROACTIVE COMMAND: SEND DATA 2.2.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	В6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.2.1

Logically:

Command details

Command number:

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	В7	01	FF									

27.22.4.30.2.2.5 Test Requirement

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

27.22.4.30.2.3 SEND DATA (support of Text Attribute – Right Alignment)

27.22.4.30.2.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.3.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.3.3 Test purpose

To verify that the ME shall display the alpha identifier according to the right alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.3.4 Method of test

27.22.4.30.2.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog
User password: UserPwd
UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.3.4.2 Procedure

Expected sequence 2.3 (SEND DATA with Text Attribute – Right Alignment)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
5	ME LIGO	opening information	
_	ME → USS	PDP context activation request	
6	USS → ME	PDP context activation accept TERMINAL RESPONSE: OPEN	[Command parformed augeocafully]
/	$ME \rightarrow UICC$	CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \rightarrow ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.3.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with right
		DATA 2.3.1	alignment]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.3.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
13	ME LUCC	PENDING: SEND DATA 2.3.2	
14	/ 0.00	FETCH PROACTIVE COMMAND: SEND	[Manage aboll he formatted without right
14	$UICC \to ME$	DATA 2.3.2	[Message shall be formatted without right alignment. Remark: If right alignment is the
		DATA 2.3.2	ME"s default alignment as declared in table
			A.2/22, no alignment change will take place]
15	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.3.1	7

PROACTIVE COMMAND: SEND DATA 2.3.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Right Alignment, Normal Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	В6	80	00	01	02	03	04	05	06	07	D0	04

00	0B	02	B4				

PROACTIVE COMMAND: SEND DATA 2.3.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	В6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.3.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	В7	01	FF									

27.22.4.30.2.3.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.3.

27.22.4.30.2.4 SEND DATA (support of Text Attribute – Large Font Size)

27.22.4.30.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.4.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.4.3 Test purpose

To verify that the ME shall display the alpha identifier according to the large font size text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.4.4 Method of test

27.22.4.30.2.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd
UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.4.4.2 Procedure

Expected sequence 2.4 (SEND DATA with Text Attribute – Large Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
_		opening information	
5	ME → USS	PDP context activation request	
6	USS → ME	PDP context activation accept	10
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: SEND DATA 2.4.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with large
		DATA 2.4.1	font size]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.4.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.4.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with normal
45	ME IIIOO	DATA 2.4.2	font size]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
16	LUCC ME	DATA (immediate) 2.4.1 PROACTIVE COMMAND	
10	$UICC \to ME$	PENDING: SEND DATA 2.4.1	
17	$ME \to UICC$	FETCH	
18	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with large
10	OIOO / IVIL	DATA 2.4.1	font size]
19	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
	/ 0.00	DATA (immediate) 2.4.1	[,,,,,,,,
20	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.4.3	
21	$ME \to UICC$	FETCH	
22	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with normal
		DATA 2.4.3	font size]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.4.1	

PROACTIVE COMMAND: SEND DATA 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Large Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	В6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	04	B4								

PROACTIVE COMMAND: SEND DATA 2.4.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	00	B4								

PROACTIVE COMMAND: SEND DATA 2.4.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	33
	В6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.4.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	B7	01	FF									

27.22.4.30.2.4.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.4.

27.22.4.30.2.5 SEND DATA (support of Text Attribute – Small Font Size)

27.22.4.30.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.5.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.5.3 Test purpose

To verify that the ME shall display the alpha identifier according to the small font size text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.5.4 Method of test

27.22.4.30.2.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.5.4.2 Procedure

Expected sequence 2.5 (SEND DATA with Text Attribute – Small Font Size)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
_	ME 1100	opening information	
5	ME → USS	PDP context activation request	
6	USS → ME	PDP context activation accept	[O
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.5.1	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with small
	0.00 /	DATA 2.5.1	font size]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.5.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.5.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with normal
		DATA 2.5.2	font size]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
40		DATA (immediate) 2.5.1	
16	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 2.5.1	
17	ME → UICC	FETCH	
18	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with small
10		DATA 2.5.1	font size
19	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
10	WIL 70100	DATA (immediate) 2.5.1	[command performed decederally]
20	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 /	PENDING: SEND DATA 2.5.3	
21	$ME \rightarrow UICC$	FETCH	
22	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with normal
		DATA 2.5.3	font size]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
<u> </u>		DATA (immediate) 2.5.1	

PROACTIVE COMMAND: SEND DATA 2.5.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Small Font, Bold On, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	08	B4								

PROACTIVE COMMAND: SEND DATA 2.5.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	00	B4								

PROACTIVE COMMAND: SEND DATA 2.5.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	33
	В6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.5.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	В7	01	FF									

27.22.4.30.2.5.5 Test Requirement

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

27.22.4.30.2.6 SEND DATA (support of Text Attribute – Bold On)

27.22.4.30.2.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.6.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.6.3 Test purpose

To verify that the ME shall display the alpha identifier according to the bold text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.6.4 Method of test

27.22.4.30.2.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The

corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.6.4.2 Procedure

Expected sequence 2.6 (SEND DATA with Text Attribute – Bold On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
_	ME 1100	opening information	
5	ME → USS	PDP context activation request	
6	USS → ME	PDP context activation accept	10
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
"	OICC - IVIL	PENDING: SEND DATA 2.6.1	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with Bold
	OIOO / IVIL	DATA 2.6.1	on]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.6.1	, , ,
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.6.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with bold
		DATA 2.6.2	off]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
40		DATA (immediate) 2.6.1	
16	$UICC \to ME$	PROACTIVE COMMAND	
17	ME	PENDING: SEND DATA 2.6.1 FETCH	
18	ME → UICC	_	Colobo identifier aball he displayed with hold
10	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA 2.6.1	[alpha identifier shall be displayed with bold on]
19	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
13	IVIE - OICC	DATA (immediate) 2.6.1	[Command performed successibility]
20	$UICC \to ME$	PROACTIVE COMMAND	
20	OIOO IVIL	PENDING: SEND DATA 2.6.3	
21	$ME \rightarrow UICC$	FETCH	
22	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with bold
	5.55 / ML	DATA 2.6.3	off]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.6.1	

PROACTIVE COMMAND: SEND DATA 2.6.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	В6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	10	B4								

PROACTIVE COMMAND: SEND DATA 2.6.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	00	B4								

PROACTIVE COMMAND: SEND DATA 2.6.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	33
	В6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.6.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	В7	01	FF									

27.22.4.30.2.6.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.6.

27.22.4.30.2.7 SEND DATA (support of Text Attribute – Italic On)

27.22.4.30.2.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.7.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.7.3 Test purpose

To verify that the ME shall display the alpha identifier according to the italic text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.7.4 Method of test

27.22.4.30.2.7.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The

corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog

User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.7.4.2 Procedure

Expected sequence 2.7 (SEND DATA with Text Attribute – Italic On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
_	ME 1100	opening information	
5	ME → USS	PDP context activation request	
6	USS → ME	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
"	OICC - IVIL	PENDING: SEND DATA 2.7.1	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with Italic
	OIOO / IVIL	DATA 2.7.1	on]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.7.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.7.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with italic
		DATA 2.7.2	off]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
40		DATA (immediate) 2.7.1	
16	$UICC \to ME$	PROACTIVE COMMAND	
17	ME	PENDING: SEND DATA 2.7.1 FETCH	
18	ME → UICC	_	Colobo identifier aball he displayed with italia
10	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA 2.7.1	[alpha identifier shall be displayed with italic on]
19	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
19	INIE -> DICC	DATA (immediate) 2.7.1	[Command performed successibility]
20	$UICC \to ME$	PROACTIVE COMMAND	
20	OIOO IVIL	PENDING: SEND DATA 2.7.3	
21	$ME \rightarrow UICC$	FETCH	
22	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with italic
	5.55 / ML	DATA 2.7.3	off]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.7.1	

PROACTIVE COMMAND: SEND DATA 2.7.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	В6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	20	B4								

PROACTIVE COMMAND: SEND DATA 2.7.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	00	B4								

PROACTIVE COMMAND: SEND DATA 2.7.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	33
	В6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.7.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	В7	01	FF									

27.22.4.30.2.7.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.7.

27.22.4.30.2.8 SEND DATA (support of Text Attribute – Underline On)

27.22.4.30.2.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.8.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.8.3 Test purpose

To verify that the ME shall display the alpha identifier according to the underline text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.8.4 Method of test

27.22.4.30.2.8.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The

corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.8.4.2 Procedure

Expected sequence 2.8 (SEND DATA with Text Attribute – Underline On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
_		opening information	
5	$ME \rightarrow USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	OICC - IVIL	PENDING: SEND DATA 2.8.1	
9	$ME \rightarrow UICC$	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
	0.00 /	DATA 2.8.1	underline on]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.8.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.8.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
4.5		DATA 2.8.2	underline off]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
16	LUCC ME	DATA (immediate) 2.8.1 PROACTIVE COMMAND	
10	$UICC \to ME$	PENDING: SEND DATA 2.8.1	
17	$ME \to UICC$	FETCH	
18	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
10	OIOO -> IVIL	DATA 2.8.1	underline on]
19	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
	E 7 0100	DATA (immediate) 2.8.1	[
20	$UICC \to ME$	PROACTIVE COMMAND	
	· -	PENDING: SEND DATA 2.8.3	
21	$ME \to UICC$	FETCH	
22	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
		DATA 2.8.3	underline off]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.8.1	

PROACTIVE COMMAND: SEND DATA 2.8.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	В6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	40	B4								

PROACTIVE COMMAND: SEND DATA 2.8.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	00	B4								

PROACTIVE COMMAND: SEND DATA 2.8.3

Logically:

Command details

Command number:

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	33
	В6	80	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.8.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	B7	01	FF									

27.22.4.30.2.8.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.8.

27.22.4.30.2.9 SEND DATA (support of Text Attribute – Strikethrough On)

27.22.4.30.2.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.9.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.9.3 Test purpose

To verify that the ME shall display the alpha identifier according to the strikethrough text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.9.4 Method of test

27.22.4.30.2.9.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.9.4.2 Procedure

Expected sequence 2.9 (SEND DATA with Text Attribute – Strikethrough On)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$	The ME may display channel	
_	ME HOO	opening information	
5	ME → USS	PDP context activation request	
6 7	USS → ME	PDP context activation accept	10
/	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
"	OICC - IVIL	PENDING: SEND DATA 2.9.1	
9	$ME \to UICC$	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
	OIOO / IVIL	DATA 2.9.1	strikethrough on]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.9.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.9.2	
13	$ME \to UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
		DATA 2.9.2	strikethrough off]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
40		DATA (immediate) 2.9.1	
16	$UICC \to ME$	PROACTIVE COMMAND	
17	ME LUCC	PENDING: SEND DATA 2.9.1 FETCH	
18	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	Calaba identifier shall be displayed with
10	OICC → IVIE	DATA 2.9.1	[alpha identifier shall be displayed with strikethrough on]
19	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
13	IVIL -> OICC	DATA (immediate) 2.9.1	[Command performed successfully]
20	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: SEND DATA 2.9.3	
21	$ME \to UICC$	FETCH	
22	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
	· ···-	DATA 2.9.3	strikethrough off]
23	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.9.1	

PROACTIVE COMMAND: SEND DATA 2.9.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough On

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	В6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	80	B4								

PROACTIVE COMMAND: SEND DATA 2.9.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	00	B4								

PROACTIVE COMMAND: SEND DATA 2.9.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 3"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	33
	В6	08	00	01	02	03	04	05	06	07		

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TERMINAL RESPONSE: SEND DATA 2.9.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME
Destination device: UICC

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	82	81	83	01	00
	B7	01	FF									

27.22.4.30.2.9.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.9.

27.22.4.30.2.10 SEND DATA (support of Text Attribute – Foreground and Background Colour)

27.22.4.30.2.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.30.2.10.3 Test purpose

To verify that the ME shall display the alpha identifier according to the foreground and background colour text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.10.4 Method of test

27.22.4.30.2.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.4.30.2.10.4.2 Procedure

Expected sequence 2.10 (SEND DATA with Text Attribute – Foreground and Background Colour)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \rightarrow USER$, , ,	
_		opening information	
5	$ME \rightarrow USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL	
		RESPONSE: OPEN CHANNEL	
8	$UICC \to ME$	PROACTIVE COMMAND	
0		PENDING: SEND DATA 2.10.1	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
10	OIOO / IVIL	DATA 2.10.1	foreground and background colour according
			to the text attribute configuration]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.10.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.10.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with ME"s
		DATA 2.10.2	default foreground and background colour]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.10.1	

PROACTIVE COMMAND: SEND DATA 2.10.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 1"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Text Attribute

Formatting position: 0 Formatting length: 11

Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TLV:	D0	26	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	31
	B6	08	00	01	02	03	04	05	06	07	D0	04
	00	0B	00	B4								

PROACTIVE COMMAND: SEND DATA 2.10.2

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1
Alpha Identifier "Send Data 2"

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

BER-TLV:	D0	20	81	03	01	43	01	82	02	81	21	85
	0B	53	65	6E	64	20	44	61	74	61	20	32
	В6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.10.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: ME

Destination device: UICC

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	82	81	83	01	00
	В7	01	FF									

27.22.4.30.2.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.10.

27.22.4.31 GET CHANNEL STATUS

27.22.4.31.1 Definition and applicability

See clause 3.2.2.

27.22.4.31.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

27.22.4.31.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC after the ME receives the GET STATUS proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the ME and the network capabilities against asked parameters by the UICC.

27.22.4.31.4 Method of test

27.22.4.31.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS. 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class:

Peak throughput class: 04 Mean throughput class: 31 Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs

User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

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	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: GET CHANNEL	
		STATUS 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: GET	
		STATUS 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE GET	[Command performed successfully]
		STATUS 1.1.1 A	
		Or	
		TERMINAL RESPONSE: GET	
		STATUS 1.1.1B	
		Or	
		TERMINAL RESPONSE: GET	
		STATUS 1.1.1C	

PROACTIVE COMMAND: GET STATUS 1.1.1

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	44	00	82	02	81	82	

TERMINAL RESPONSE: GET STATUS 1.1.1A

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

BER-TLV:	81	03	01	44	00	82	02	82	81	83	01	00

TERMINAL RESPONSE: GET STATUS 1.1.1B

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel status: No Channel available, link not established or PDP context not activated

Coding:

BER-TLV:	81	03	01	44	00	82	02	82	81	83	01	00
	B8	02	00	00								

TERMINAL RESPONSE: GET STATUS 1.1.1C

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 1 status: Channel identifier 1, Link not established or PDP context not activated

Channel 2 status: Channel identifier 2, Link not established or PDP context not activated

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Channel n status: Channel identifier n, Link not established or PDP context not activated

The number of channel status data objects shall be same as the number of channels(n) supported by the ME

BER- TLV:	81	03	01	44	00	82	02	82	81	83	01	00
	Note1											

Note1: The Terminal Response shall contain as many channel status TLVs as channels are supported by the ME. Each channel status TLV coding shall indicate the corresponding channel identifier and shall state "Link not established or PDP context not activated". As an example, if the mobile supports two channels then the corresponding channel status data objects coding would be: 'B8 02 01 00 B8 02 02 00'.

Expected sequence 1.2 (GET STATUS, with a BIP channel currently opened)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL	
2	ME . IIICC	1.1.1 FETCH	
	_ / 0.00		
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
4	$ME \to USS$	PDP context activation request	
5		PDP context activation accept	
6	$ME \to UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL	
		RESPONSE: OPEN CHANNEL	
-		1.1.1B	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: GET CHANNEL STATUS 1.2.1	
8	$ME \rightarrow UICC$	FETCH	
9	/ 0.00	PROACTIVE COMMAND: GET	
	OIOO → IVIL	STATUS 1.2.1	
10	$ME \to UICC$	TERMINAL RESPONSE GET	[Command performed successfully]
		STATUS 1.2.1 A	
		Or	
		TERMINAL RESPONSE: GET	
		STATUS 1.2.1B	

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: UICC
Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

BER-TLV

D0	42	81	03	01	40	01	82	02	81	82	35
07	02	03	04	03	04	1F	02	39	02	03	E8
47	0A	06	54	65	73	74	47	70	02	72	73
0D	80	F4	55	73	65	72	4C	6F	67	0D	80
F4	55	73	65	72	50	77	64	3C	03	01	AD
9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	03	E8							

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	03	E8							

PROACTIVE COMMAND: GET STATUS 1.2.1

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	44	00	82	02	81	82

TERMINAL RESPONSE: GET STATUS 1.2.1A

Logically:

Command details

Command number: 1

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel status: Channel 1 open, link established or PDP context activated

Coding:

BER-TLV:	81	03	01	44	00	82	02	82	81	83	01	00
	B8	02	81	00								

TERMINAL RESPONSE: GET STATUS 1.2.1B

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: SIM

Result

General Result: Command performed successfully

Channel status

Channel 1 status: Channel identifier 1 open, Link established or PDP context activated

Channel 2 status: Channel identifier 2, Link not established or PDP context not activated

.

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Channel n status: Channel identifier n, Link not established or PDP context not activated

The number of channel status data objects shall be same as the number of channels(n) supported by the ME

Coding:

BER- TLV:	81	03	01	44	00	82	02	82	81	83	01	00
	Note1											

Note1: The Terminal Response shall contain as many channel status TLVs as channels are supported by the ME. The channel status TLV coding of the opened channel shall state "Link established or PDP context activated". Each other channel status TLV coding shall indicate the corresponding channel identifier and shall state "Link is not established or PDP context not activated". As an example, if the mobile supports two channels and channel 1 is opened then the corresponding channel status data objects coding would be : 'B8 02 81 00 B8 02 02 00'.

Expected sequence 1.3 (GET STATUS, after a link dropped)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP	
		EVENT LIST 1.1.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME . LUCC	1.1.1 TERMINAL RESPONSE: SET UP EVENT LIST	[Command performed successfully]
4	INE → OICC	11.1.1	[Command performed successfully]
5	UICC → ME	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
	OIGG / IVIL	CHANNEL 1.1.1	oce minar containence
6	$ME \rightarrow UICC$	FETCH	
7		PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
8		PDP context activation request	
9		PDP context activation accept	
10	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		1.1.1A	
		or ITERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
11	$USS \to ME$	DROP LINK	
12		ENVELOPE EVENT DOWNLOAD: CHANNEL	[Link dropped]
		STATUS 1.3.1	
13	$UICC \to ME$	PROACTIVE COMMAND PENDING: GET	
		STATUS 1.3.1	
14	$ME \to UICC$		
15		PROACTIVE COMMAND: GET STATUS 1.3.1	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: GET STATUS 1.3.1A	[Command performed successfully]
		Or TERMINAL RESPONSE: GET STATUS 1.3.1B	
		Or	
		TERMINAL RESPONSE: GET STATUS 1.3.1C	
		Or	
		TERMINAL RESPONSE: GET STATUS 1.3.1D	
		Or	
		TERMINAL RESPONSE: GET STATUS 1.3.1E	

TERMINAL RESPONSE: GET STATUS 1.3.1A

Same as TERMINAL RESPONSE: GET STATUS 1.1.1A

TERMINAL RESPONSE: GET STATUS 1.3.1B

Same as TERMINAL RESPONSE: GET STATUS 1.1.1B

TERMINAL RESPONSE: GET STATUS 1.3.1C

Same as TERMINAL RESPONSE: GET STATUS 1.1.1C

TERMINAL RESPONSE: GET STATUS 1.3.1D

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

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								

TERMINAL RESPONSE: GET STATUS 1.3.1E

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 1 status: Channel identifier 1, link dropped

Channel 2 status: Channel identifier 2, Link not established or PDP context not activated

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Channel n status: Channel identifier n, Link not established or PDP context not activated

The number of channel status data objects shall be same as the number of channels(n) supported by the ME

Coding:

BER-TLV:	81	03	01	44	00	82	02	82	81	83	01	00
	B8	02	01	05	Note1							

Note1: The Terminal Response shall contain as many channel status TLVs as channels are supported by the ME. Each channel status TLV coding except that one for which the link was dropped by the SS shall indicate the corresponding channel identifier and shall state "Link not established or PDP context not activated". As an example, if the mobile supports two channels then the corresponding channel status data objects coding would be: 'B8 02 01 05 B8 02 02 00'.

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: UICC
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: UICC

Result

General Result: Command performed successfully

Coding:

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

ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1

Logically:

Event list

Event list: Channel Status

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1, link dropped

Coding:

BER-TLV:	D6	0B	99	01	0A	82	02	82	81	B8	02	01
<u> </u>	05											

PROACTIVE COMMAND: GET STATUS 1.3.1

Logically:

Command details

Command number:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: UICC Destination device: ME

BER-TLV:	D0	09	81	03	01	44	00	82	02	81	82

27.22.4.31.5 Test requirement

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

27.22.5 Data Download to UICC

27.22.5.1 SMS-PP Data Download

27.22.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.5.1.2 Conformance requirement

The ME shall support the Proactive UICC: SMS-PP Data Download facility as defined in the following technical specifications:

- TS 31.111 [15] clause 5, clause 7.1, clause 8.1, clause 8.7, clause 8.13 and clause 11.
- TS 31.115 [28] clause 4.
- TS 23.038 [7] clause 4..

27.22.5.1.3 Test purpose

To verify that the ME transparently passes the "data download via SMS Point-to-point" messages to the UICC.

To verify that the ME returns the RP-ACK message back to the USS, if the UICC responds with '90 00' or '91 XX'.

To verify that the ME returns the RP-ERROR message back to the system Simulator, if the UICC responds with '62 XX' or '63 XX'.

To verify that the ME returns the response data from the UICC back to the USS in the TP-User-Data element of the RP-ACK message, if the UICC returns response data'.

27.22.5.1.4 Method of Test

27.22.5.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. 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 "data download via SMS-PP" service is available in the USIM Service Table.

27.22.5.1.4.2 Procedure

Expected Sequence 1.1 (void)

Expected Sequence 1.2 (SMS-PP Data Download, General Data Coding, Acknowledgement)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	SMS-PP Data Download Message	
2	ME → USER	1.2.1 The ME shall not display the message or alert the user of a short message waiting.	
3	$ME \rightarrow UICC$	ENVELOPE: SMS-PP DOWNLOAD 1.2.2	
4	$UICC \to ME$	SMS-PP Data Download UICC Acknowledgement 1.2.4	[SW1 / SW2 of '90 00'
5	ME → USS	SMS-PP Data Download UICC Acknowledgement 1.2.4 in the TP-User-Data element of the RP-ACK message. The values of protocol identifier and data coding scheme in RP-ACK shall be as in the original message.	

Expected Sequence 1.3 (SMS-PP Data Download, General Data Coding, FETCH, MORE TIME)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	SMS-PP Data Download Message	
2	$ME \to USER$	1.3.1 The ME shall not display the message or alert the user of a	
3	$ME \to UICC$	short message waiting ENVELOPE: SMS-PP DOWNLOAD 1.3.2	[SW1 / SW2 of '91 0B']
4	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: MORE TIME 1.3.4	
5	/ 000	RP-ACK	
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: MORE TIME 1.3.4	
8	$ME \to UICC$	TERMINAL RESPONSE: MORE	
		TIME 1.3.5	
9	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	

PROACTIVE COMMAND: MORE TIME 1.3.4

Logically:

Command details

Command number: 1

Command type: MORE TIME

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

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

TERMINAL RESPONSE: MORE TIME 1.3.5

Logically:

Command details

Command number: 1

Command type: MORE TIME

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 1.4 (void)

SMS-PP (Data Download) Message 1.2.1 / 1.3.1

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 (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "Short Message"

Coding:

Coding	04	04	91	21	43	7F	16	89	10	10	00	00
	00	00	0D	53	68	6F	72	74	20	4D	65	73
	73	61	67	65								

ENVELOPE: SMS-PP DOWNLOAD 1.2.2 / 1.3.2

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

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-RPTP-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 (U)SIM Data download

TP-DCS

Coding Group General Data Coding Compression Text is uncompressed

Message Class Class 2 (U)SIM Specific Message

Alphabet 8 bit data

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "Short Message"

Coding:

BER-TLV:	D1	2D	82	02	83	81	06	09	91	11	22	33
	44	55	66	77	F8	8B	1C	04	04	91	21	43
	7F	16	89	10	10	00	00	00	00	0D	53	68
	6F	72	74	20	4D	65	73	73	61	67	65	

Expected Sequence 1.5 (void)

Expected Sequence 1.6 (SMS-PP Data Download, with Data Coding / Message Class)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	SMS-PP Data Download Message	
		1.6.1	
2	ME	The ME shall not display the	
		message or alert the user of a	
		short message waiting	
3	$ME \rightarrow UICC$	ENVELOPE: SMS-PP	
		DOWNLOAD 1.6.2	
4	$UICC \to ME$	SW1 / SW2 of '90 00'	
5	$ME \to USS$	RP-ACK	

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 (U)SIM Data download

TP-DCS

Coding Group Data Coding / Message Class

Message Coding 8 bit data

Message Class Class 2 (U)SIM Specific Message

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "Short Message"

Coding:

Coding	04	04	91	21	43	7F	F6	89	10	10	00	00
	00	00	0D	53	68	6F	72	74	20	4D	65	73
	73	61	67	65								

ENVELOPE: SMS-PP DOWNLOAD 1.6.2

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

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-RPTP-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 (U)SIM Data download

TP-DCS

Coding Group Data Coding / Message Class

Message Coding 8 bit data

Message Class Class 2 (U)SIM Specific Message

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 13

TP-UD "Short Message"

BER-TLV:	D1	2D	82	02	83	81	06	09	91	11	22	33
	44	55	66	77	F8	8B	1C	04	04	91	21	43
	7F	F6	89	10	10	00	00	00	00	0D	53	68
	6F	72	74	20	4D	65	73	73	61	67	65	

Expected Sequence 1.7 (SMS-PP Data Download error)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	SMS-PP Data Download Message	
2	ME → USER	1.2.1 The ME shall not display the message or alert the user of a short message waiting.	
3	$ME \rightarrow UICC$	ENVELOPE: SMS-PP DOWNLOAD 1.2.2	[SW1 / SW2 of '62 xx" or "63 xx"]
4	$UICC \to ME$	SMS-PP Data Download UICC Acknowledgement 1.2.4	
5	$ME \rightarrow UICC$	Retrieve RP-Error information provided by the USIM	
6	ME → USS	SMS-PP Data Download UICC Acknowledgement 1.2.4 in the TP-User-Data element of the RP-ERROR message. The values of protocol identifier and data coding scheme in RP-ERROR shall be as in the original message.	

SMS-PP Data Download UICC Acknowledgement 1.2.4

Coding:

Coding	50	68	69	6C	20	48	6F	6F	6B	65	72
											İ

Expected Sequence 1.8 (SMS-PP Data Download, General Data Coding, User Data Header payload)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	SMS-PP Data Download Message	
		1.8.1	
2	ME	The ME shall not display the	
		message or alert the user of a	
		short message waiting	
3	$ME \rightarrow UICC$	ENVELOPE: SMS-PP	
		DOWNLOAD 1.8.2	
4	$UICC \to ME$	SW1 / SW2 of '90 00'	
5	$ME \to USS$	RP-ACK	

SMS-PP (Data Download) Message 1.8.1

TP-SCTS:

Logically:

SMS TPDU TP-MTI **SMS-DELIVER** No more messages waiting for the MS in this SC TP-MMS TP-Reply-Path is not set in this SMS-DELIVER TP-RP TP-UDHI TP-UD field contains user data header and a short message TP-SRI A status report will not be returned to the SME TP-OA TON International number NPI "ISDN / telephone numbering plan" "1234" Address value TP-PID (U)SIM Data download TP-DCS Coding Group Data Coding / Message Class Message Coding 8 bit data Message Class Class 2 (U)SIM Specific Message

01/01/98 00:00:00 +0

TP-UDL 30

TP-UD

TP-UDHL 2

IEI (U)SIM Toolkit Security Headers

IEIL 0

SM (8 bit data)

Command Packet Length: 25 Command Header Identifier: 0 Command Header Length: 13

Security Parameter Indicator: No RC, CC or DS and No PoR reply to the Sending Entity

Ciphering Key Identifier: Algorithm known implicitly by both entities Key Identifier: Algorithm known implicitly by both entities

Toolkit Application Reference: Proprietary Toolkit Application

Counter: 1

Padding Counter: 0 (no padding is necessary)
Secure Data: 10 octets set to 'DC' (dummy data)

Coding:

Coding	44	04	91	21	43	7F	F6	89	10	10	00	00
	00	00	1E	02	70	00	00	19	00	0D	00	00
	00	00	BF	FF	00	00	00	00	00	01	00	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC			

ENVELOPE: SMS-PP DOWNLOAD 1.8.2

Logically:

SMS-PP Download

Device identities

Source device: Network
Destination device: UICC

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 user data header and a 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 (U)SIM Data download

TP-DCS

Coding Group Data Coding / Message Class

Message Coding 8 bit data

Message Class Class 2 (U)SIM Specific Message

TP-SCTS: 01/01/98 00:00:00 +0

TP-UDL 30

TP-UD

TP-UDHL 2

IEI (U)SIM Toolkit Security Headers

IEIL 0

SM (8 bit data)

Command Packet Length: 25 Command Header Identifier: 0 Command Header Length: 13

Security Parameter Indicator: No RC, CC or DS and No PoR reply to the Sending Entity

Ciphering Key Identifier: Algorithm known implicitly by both entities Key Identifier: Algorithm known implicitly by both entities

Toolkit Application Reference: Proprietary Toolkit Application

Counter: 1

Padding Counter: 0 (no padding is necessary)
Secure Data: 10 octets set to 'DC' (dummy data)

Coding:

BER-TLV:	D1	3E	82	02	83	81	06	09	91	11	22	33
	44	55	66	77	F8	8B	2D	44	04	91	21	43
	7F	F6	89	10	10	00	00	00	00	1E	02	70
	00	00	19	00	0D	00	00	00	00	BF	FF	00
	00	00	00	00	01	00	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC								

27.22.5.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.2 to 1.8.

27.22.5.2 Cell Broadcast Data Download

27.22.5.2.1 Definition and applicability

See clause 3.2.2.

27.22.5.2.2 Conformance requirement

The ME shall support the Proactive UICC: Cell Broadcast Data Download facility as defined in:

- TS 31.111 [15] clause 5, clause 7.1.2, clause 8.5, clause 8.7 and clause 11.
- TS 31.115 [28] clause 5.
- TS 23.038 [7] clause 5.

27.22.5.2.3 Test purpose

To verify that the ME transparently passes the "data download via Cell Broadcast" messages to the UICC, which contain a message identifier found in EF_{CBMID} .

27.22.5.2.4 Method of Test

27.22.5.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table. The elementary files are coded as Toolkit default with the following exeception:

EF PL shall contain an entry indicating "English".

A USS setting up only a GERAN or PCS 1900 cell shall be used for Expected sequence 1.1, 1.7 and 1.3.

A USS setting up only a UTRAN cell shall be used on and expected sequence 1.4, 1.5 and 1.6.

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

27.22.5.2.4.2 Procedure

Expected Sequence 1.1 (Cell Broadcast Data Download (GSM), ENVELOPE(CELL BROADCAST DOWNLOAD), ME does not display message)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	CELL BROADCAST 1.1	Message identifier '10 01'
2	$ME \rightarrow UICC$	ENVELOPE (CELL	
		BROADCAST DOWNLOAD) 1.1	
3	$UICC \to ME$	SW1, SW2 '90 00'	

Cell Broadcast Message 1.1

Logically:

Message Content

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "1001"

Data coding Scheme

Message Coding: English, language using the GSM 7 bit default alphabet

Page Parameter

Total number of pages: 1 Page number: 1

Content of message: "Cell Broadcast "...

Coding:

Coding	C0	11	10	01	01	11	C3	32	9B	0D	12	CA
	DF	61	F2	38	3C	A7	83	40	20	10	08	04
	02	81	40	20	10	08	04	02	81	40	20	10
	08	04	02	81	40	20	10	08	04	02	81	40
	20	10	08	04	02	81	40	20	10	08	04	02
	81	40	20	10	08	04	02	81	40	20	10	80
	04	02	81	40	20	10	08	04	02	81	40	20
	10	08	04	02								

ENVELOPE: CELL BROADCAST DOWNLOAD 1.1

Logically:

Cell Broadcast Download

Device identities

Source device: Network
Destination device: UICC

Cell Broadcast page Serial Number Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "1001"

Data coding Scheme

Message Coding: English, language using the GSM 7 bit default alphabet

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	10	01
	01	11	C3	32	9B	0D	12	CA	DF	61	F2	38
	3C	A7	83	40	20	10	08	04	02	81	40	20
	10	08	04	02	81	40	20	10	08	04	02	81
	40	20	10	08	04	02	81	40	20	10	08	04
	02	81	40	20	10	08	04	02	81	40	20	10
	08	04	02	81	40	20	10	08	04	02	81	40
	20	10	08	04	02	81	40	20	10	08	04	02

Expected Sequence 1.2 (void)

Expected Sequence 1.3 (Cell Broadcast (GSM), ME may display the message)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	CELL BROADCAST 1.2	Message identifier '03 E7'
2a		ME may display the message	
2b	ME → UICC	ME shall not download the CB	
		message to the UICC using	
		ENVELOPE (CELL BROADCAST	
		DOWNLOAD)	
3	USER → ME		[only if message has not been displayed in
		procedure to initiate the display of	step 2a]
		the received CB message	
4	ME → USER	ME displays the message	[only if message has not been displayed in
			step 2a]

Cell Broadcast Message 1.2

Logically:

Message Content

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "03E7"

Data coding Scheme

Message Coding: English, language using the GSM 7 bit default alphabet

Page Parameter

Total number of pages: 1 Page number: 1

Content of message: "Cell Broadcast".

Coding:

Coding	C0	11	03	E7	01	11	C3	32	9B	0D	12	CA
	DF	61	F2	38	3C	A7	83	40	20	10	08	04
	02	81	40	20	10	08	04	02	81	40	20	10
	08	04	02	81	40	20	10	08	04	02	81	40
	20	10	08	04	02	81	40	20	10	08	04	02
	81	40	20	10	08	04	02	81	40	20	10	80
	04	02	81	40	20	10	08	04	02	81	40	20
	10	08	04	02								

Expected Sequence 1.4 (Cell Broadcast (UMTS), ENVELOPE (CELL BROADCAST DOWNLOAD), ME does not display message)

TBD

Expected Sequence 1.5 (Cell Broadcast (UMTS), ENVELOPE (CELL BROADCAST DOWNLOAD), FETCH, MORE TIME, ME does not display message)

TBD

Expected Sequence 1.6 (Cell Broadcast (UMTS), ME displays message)

TBD

Expected Sequence 1.7 (Cell Broadcast (GSM),, ENVELOPE(CELL BROADCAST DATA DOWNLOAD), FETCH, MORE TIME, ME does not display message, User Data Header Payload)

Step	Direction	MESSAGE / Action	Comments
1	$USS \to ME$	CELL BROADCAST Message	Message identifier '10 01'
		1.7	
2	$ME \rightarrow UICC$	ENVELOPE (CELL	
		BROADCAST DOWNLOAD) 1.7	
3	$UICC \to ME$	PROACTIVE COMMAND	SW1/SW2 '61 0B'
		PENDING: MORE TIME 1.2	
4	$ME \rightarrow UICC$	FETCH 1.2	
5	$UICC \to ME$	PROACTIVE COMMAND:MORE	
		TIME 1.2	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: MORE	
		TIME 1.2	
7	$UICC \to ME$	SW1/SW2 '90 00'	UICC session ended

CELL BROADCAST Message 1.7

Logically:

Message Content

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "1001"

Data coding Scheme

Message Coding: 8 bit data

Message class: Class 2 (U)SIM specific message

Page Parameter

Total number of pages: 1 Page number: 1

Secured User Header (Content of message)

TP-UDHL 2

IEI (U)SIM Toolkit Security Headers

IEIL 0
Command Packet Length: 77
Command Header Identifier: 0
Command Header Length: 13

Security Parameter Indicator: No RC, CC or DS and No PoR reply to the Sending Entity

Ciphering Key Identifier: Algorithm known implicitly by both entities Key Identifier: Algorithm known implicitly by both entities

Toolkit Application Reference: Proprietary Toolkit Application

Counter: 1

Padding Counter: 0 (no padding is necessary)

Secure Data: 62 octets set to "DC" (dummy data)

Coding:

Coding	C0	11	10	01	96	11	02	70	00	00	4D	00
	0D	00	00	00	00	BF	FF	00	00	00	00	00
	01	00	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC								

ENVELOPE: CELL BROADCAST DOWNLOAD 1.7

Logically:

Cell Broadcast Download

Device identities

Source device: Network
Destination device: UICC

Cell Broadcast page

Serial Number

Geographical scope: Cell wide, normal display mode

Message code: 1
Update number: 1
Message Identifier: "1001"

Data coding Scheme

Message Coding: 8 bit data (Message with User Data Header (UDH) structure)

Message class: Class 2 (U)SIM specific message

Page Parameter

Number of pages: 1 Page number: 1

Secured User Header (Content of message)

TP-UDHL 2

IEI (U)SIM Toolkit Security Headers

IEIL 0

Command Packet Length: 77
Command Header Identifier: 0
Command Header Length: 13

Security Parameter Indicator: No RC, CC or DS and No PoR reply to the Sending Entity

Ciphering Key Identifier: Algorithm known implicitly by both entities Key Identifier: Algorithm known implicitly by both entities

Toolkit Application Reference: Proprietary Toolkit Application

Counter: 1

Padding Counter: 0 (no padding is necessary)

Secure Data: 62 octets set to "DC" (dummy data)

Coding:

BER-TLV:	D2	5E	82	02	83	81	8C	58	C0	11	10	01
	96	11	02	70	00	00	4D	00	0D	00	00	00
	00	BF	FF	00	00	00	00	00	01	00	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC

PROACTIVE COMMAND: MORE TIME 1.2

Logically:

Command details

Command number: 1

Command type: MORE TIME

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

Coding:

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

TERMINAL RESPONSE: MORE TIME 1.2

Logically:

Command details

Command number: 1

Command type: MORE TIME Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

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

27.22.5.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.7.

27.22.6 CALL CONTROL BY USIM

27.22.6.1 Procedure for Mobile Originated calls

27.22.6.1.1 Definition and applicability

See clause 3.2.2.

27.22.6.1.2 Conformance requirement

The ME shall support the CALL CONTROL facility as defined in:

- TS 31.111 [15] clause 7.3

27.22.6.1.3 Test purpose

To verify that for all call set-up attempts , even those resulting from a SET UP CALL proactive UICC command, the ME shall first pass the call set-up details (dialled digits and associated parameters) to the UICC, using the ENVELOPE (CALL CONTROL).

To verify that if the UICC responds with '90 00', the ME shall set up the call with the dialled digits and other parameters as sent to the UICC.

To verify that if the UICC returns response data, the ME shall use the response data appropriately to set up the call as proposed, not set up the call, or set up a call using the data supplied by the UICC.

To verify that, in the case where the initial call set-up request results from a proactive SET UP CALL, if the call control result is "not allowed" or "allowed with modifications", the ME shall inform the UICC using TERMINAL RESPONSE "interaction with call control by UICC or MO short message control by UICC, action not allowed".

To verify that it is possible for the UICC to request the ME to set up an emergency call by supplying the number "112" as the response data.

27.22.6.1.4 Method of tests

27.22.6.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and USS and has performed the location update procedure.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;

- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

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

The elementary files are coded as USIM Application Toolkit default with the following exception:

The call control service is available in the USIM Service Table.

27.22.6.1.4.2 Procedure

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for 3GPP parameters]
		1.1.1A	[Option B shall apply for PCS1900
		Or	parameters]
		ENVELOPE CALL CONTROL	
		1.1.1B	
3	$UICC \to ME$	90 00	
4	$ME \to USS$	The ME sets up the call without	[Set up call to "+01234567890123456789"
		modification	

ENVELOPE CALL CONTROL 1.1.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell IDRNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	Note 5	07	00
	F1	10	00	01	00	01	Note 6	Note 4				

ENVELOPE CALL CONTROL 1.1.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	07	00
	11	10	00	01	00	01	Note 4					

- Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.
- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Subaddress may be present at this place. If present, it may take up several octets.
- Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.2.1 A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.2.1B	
3	$UICC \to ME$	CALL CONTROL RESULT 1.2.1	[Call control result: "Allowed, no
			modification"]
4	$ME \rightarrow USS$	The ME sets up the call without	[Set up call to "+01234567890123456789"]
		modification	

ENVELOPE CALL CONTROL 1.2.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	Note 5	00
	F1	10	00	01	00	01	Note 6	Note 4				

ENVELOPE CALL CONTROL 1.2.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)

Cell ID Cell Identity Value (0001)

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	07	00
	11	10	00	01	00	01	Note 4					

Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

CALL CONTROL RESULT 1.2.1

Logically:

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

Coding:

BER-TLV:	00	00

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

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET	[This test applies to MEs asking for user
		UP CALL 1.3.1 PENDING	confirmation before sending the
			ENVELOPE CALL CONTROL command]
2	ME→UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET	[Set up call to "+012340123456"]
		UP CALL 1.3.1	
4	$ME \rightarrow USER$	ME displays "+012340123456"	
		during user confirmation phase.	
5		The user confirms the call set up	[user confirmation]
6	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.3.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.3.1B	
7	$UICC \to ME$	CALL CONTROL RESULT 1.3.1	[Call control result: "Allowed, no
			modification"]
8	$ME \rightarrow USS$	The ME sets up the call without	[Set up call to "+012340123456"]
_		modification	
9	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	[command performed successfully]
		CALL 1.3.1	

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

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET	[This test applies to MEs asking for user
		UP CALL 1.3.1 PENDING	confirmation after sending the
			ENVELOPE CALL CONTROL command]
2	ME→UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET	[Set up call to "+012340123456"]
		UP CALL 1.3.1	
4	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	Option A shall apply for GERAN/UTRAN
		1.3.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.3.1B	
5	$UICC \to ME$	CALL CONTROL RESULT 1.3.1	[Call control result: "Allowed, no
_			modification"]
6	$ME \rightarrow USER$	ME displays "+012340123456"	
_		during user confirmation phase.	
7		The user confirms the call set up	[user confirmation]
8	$ME \rightarrow USS$	The ME sets up the call without	[Set up call to "+012340123456"]
		modification	
9	$ME \rightarrow UICC$		[command performed successfully]
		CALL 1.3.1	

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: UICC
Destination device: Network

Alpha identifier: "+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 1.3.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	02	02	82	81	06	07	91	10	32
	04	21	43	65	Note 2	Note 3	13	Note 5	00	F1	10
	00	01	00	01	Note 6	Note 4					

ENVELOPE CALL CONTROL 1.3.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	02	02	82	81	06	07	91	10	32
	04	21	43	65	Note 2	Note 3	13	07	00	11	10
	00	01	00	01	Note 4						

Note 1: Length of BER-TLV is '16' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

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: UICC

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 USIM, set up call attempt by user, not allowed)

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.4.1 A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.4.1B	
3	$UICC \to ME$	CALL CONTROL RESULT 1.4.1	[Call control result: "not Allowed"]
4	$ME \to USS$	The ME does not set up the call	

ENVELOPE CALL CONTROL 1.4.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "+01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	Note 5	00
	F1	10	00	01	00	01	Note 6	Note 4				

ENVELOPE CALL CONTROL 1.4.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "+01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	07	00
	11	10	00	01	00	01	Note 4					

- Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.
- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Subaddress may be present at this place. If present, it may take up several octets.
- Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'
- Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

CALL CONTROL RESULT 1.4.1

Logically:

Call control result: '01' = not Allowed

Coding:

BER-TLV:	01	00

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

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET	[This test applies to MEs asking for user
		UP CALL 1.5.1 PENDING	confirmation before sending the
			ENVELOPE CALL CONTROL command]
2	ME→UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET	[Set up call to "+012340123456"
		UP CALL 1.5.1	
4	$ME \to USER$	ME displays "+012340123456"	
		during user confirmation phase.	
5	$USER \to ME$	The user confirms the call set up	[user confirmation]
6	$ME \to UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.5.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.5.1B	
7	$UICC \to ME$	CALL CONTROL RESULT 1.5.1	[Call control result: "Not Allowed"]
8	$ME \to UICC$	TERMINAL RESPONSE: SET UP	[Permanent Problem - Interaction with
		CALL 1.5.1	Call Control by USIM]
9	$ME \to USS$	The ME does not set up the call	

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

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET	[This test applies to MEs asking for user
		UP CALL 1.5.1 PENDING	confirmation after sending the
			ENVELOPE CALL CONTROL command]
2	ME→UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET	[Set up call to "+012340123456"
		UP CALL 1.5.1	
4	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.5.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.5.1B	
5	$UICC \to ME$	CALL CONTROL RESULT 1.5.1	[Call control result: "Not Allowed"]
			[No user confirmation phase because
			Call Control has disallowed the request]
6	$ME \to UICC$	TERMINAL RESPONSE: SET UP	[Permanent Problem - Interaction with
		CALL 1.5.1	Call Control by USIM]
7	$ME \to USS$	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: UICC
Destination device: Network

Alpha identifier: "+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 1.5.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	02	02	82	81	06	07	91	10	32
	04	21	43	65	Note 2	Note 3	13	Note 5	00	F1	10
	00	01	00	01	Note 6	Note 4					

ENVELOPE CALL CONTROL 1.5.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	02	02	82	81	06	07	91	10	32
	04	21	43	65	Note 2	Note 3	13	07	00	11	10
	00	01	00	01	Note 4						

Note 1: Length of BER-TLV is '16' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

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: UICC

Result

General Result: Interaction with call control by USIM or MO short message control by USIM,

permanent problem

Additional information: Action not allowed

Coding:

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

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.6.1 A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.6.1B	
3	$UICC \to ME$	CALL CONTROL RESULT 1.6.1	[Call control result: "Allowed with
			modifications",]
4	$ME \to USS$	The ME sets up the call to	
		"+010203"	

ENVELOPE CALL CONTROL 1.6.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	Note 5	00
	F1	10	00	01	00	01	Note 6	Note 4				

ENVELOPE CALL CONTROL 1.6.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	07	00
	11	10	00	01	00	01	Note 4					

Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 1.6.1

Logically:

Call control result: '02' = Allowed with modifications

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "010203"

Coding:

BER-TLV:	02	06	86	04	91	10	20	30

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

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 1.7.1 PENDING	[This test applies to MEs asking for user confirmation before sending the ENVELOPE CALL CONTROL command]
2	ME→UICC	FETCH	-
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 1.7.1	[Set up call to "+012340123456"]
4	$ME \rightarrow USER$	ME displays "+012340123456" during user confirmation phase.	
5	$USER \to ME$	The user confirms the call set up	[user confirmation]
6	ME → UICC	ENVELOPE CALL CONTROL 1.7.1A or ENVELOPE CALL CONTROL 1.7.1B	[Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters]
7	$UICC \to ME$	CALL CONTROL RESULT 1.7.1	[Call control result: "Allowed with modifications"]
8	$ME \to USS$	The ME sets up the call to "+011111111111"	
9	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP CALL 1.7.1	[command performed successfully]

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

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET	[This test applies to MEs asking for user
		UP CALL 1.7.1 PENDING	confirmation after sending the
			ENVELOPE CALL CONTROL command]
2	$ME { ightarrow} UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET	[Set up call to "+012340123456"]
		UP CALL 1.7.1	
4	$ME \to UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.7.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.7.1B	
5	$UICC \to ME$	CALL CONTROL RESULT 1.7.1	[Call control result: "Allowed with
			modifications"]
6	$ME \to USER$	ME displays "+012340123456"	
		during user confirmation phase.	
7	$USER \to ME$		[user confirmation]
8	$ME \to USS$		[call is set up to modified address]
		"+01111111111"	
9	$ME \to UICC$		[command performed successfully]
		CALL 1.7.1	

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: UICC
Destination device: Network

Alpha identifier: '+012340123456"

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

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 1.7.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	02	02	82	81	06	07	91	10	32
	04	21	43	65	Note 2	Note 3	13	Note 5	00	F1	10
	00	01	00	01	Note 6	Note 4					

ENVELOPE CALL CONTROL 1.7.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "012340123456"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	02	02	82	81	06	07	91	10	32
	04	21	43	65	Note 2	Note 3	13	07	00	11	10
	00	01	00	01	Note 4						

Note 1: Length of BER-TLV is '16' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 1.7.1

Logically:

Call control result: '02' = Allowed with modifications

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01111111111"

Coding:

BER-TLV:	02	09	86	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: UICC

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 USIM, set up call attempt by user, allowed with modifications: emergency call)

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL 1.8.1A	[Option A shall apply for GERAN/UTRAN
		or	parameters]
		ENVELOPE CALL CONTROL 1.8.1B	
			parameters
3	$UICC \to ME$	CALL CONTROL RESULT 1.8.1	[Call control result: "Allowed with
			modifications"]
4	$ME \to USS$	The ME sets up an emergency call;	

ENVELOPE CALL CONTROL 1.8.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	Note 5	00
	F1	10	00	01	00	01	Note 6	Note 4				

ENVELOPE CALL CONTROL 1.8.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	07	00
	11	10	00	01	00	01	Note 4					

Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 1.8.1

Logically:

Call control result Allowed, with modification

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "112"

Coding:

BER-TLV:	02	05	86	03	81	11	F2

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL 1.9.1A	[Option A shall apply for GERAN/UTRAN
		or	parameters]
		ENVELOPE CALL CONTROL 1.9.1B	[Option B shall apply for PCS1900
			parameters]
3	$UICC \to ME$	CALL CONTROL RESULT 1.9.1	[Call control result: "Allowed with
			modifications"]
4	$ME \to USS$	The ME sets up call with the dialled	
		digits "1020". The ME does not set	
		up an emergency call, but stes up a	
		normal call	

ENVELOPE CALL CONTROL 1.9.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	Note 5	00
	F1	10	00	01	00	01	Note 6	Note 4				

ENVELOPE CALL CONTROL 1.9.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string "01234567890123456789"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	0B	91	10	32	54
	76	98	10	32	54	76	98	Note 2	Note 3	13	07	00
	11	10	00	01	00	01	Note 4					

Note 1: Length of BER-TLV is '1A' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 1.9.1

Logically:

Call control result Allowed, with modification

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "1020"

Coding:

BER-TLV:	02	05	86	03	81	01	02

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to "112"	
2	$ME \to UICC$	The ME does not send any	
		ENVELOPE CALL CONTROL	
3	$ME \to USS$	The ME sets up an emergency	
		call	

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

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.1.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.1.1B	
3	$UICC \to ME$	90 00	
4	$ME \to USS$	The ME sets up the call without	[Set up call to "+01234567890123456789"]
		modification	
5	$USER \to ME$	End Call.	
6	$USER \to ME$	Recall the last dialled number	
7	$ME \to UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.1.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.1.1B	
8	$UICC \to ME$	90 00	
9	$ME \to USS$	The ME sets up the call without	[Set up call to "+01234567890123456789"]
		modification	_
10	$USER \to ME$	End Call.	

Expected Sequence 1.12 (CALL CONTROL BY USIM, 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	$User \to ME$	Set up a call to "+0123456789"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL 1.2.1A or ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters]
		1.2.1B	parameters
3	$UICC \to ME$	CALL CONTROL RESULT 1.2.1	[Call control result: "Allowed, no modification"]
4	$ME \to USS$	The ME sets up the call without modification	[Set up call to "+01234567890123456789"]
5	$User \to ME$	End the call then call the last dialled number	
6	$ME \to UICC$	ENVELOPE CALL CONTROL 1.2.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or	Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL 1.2.1B	parameters]
7	$UICC \to ME$	CALL CONTROL RESULT 1.2.1	
8	$ME \to USS$	The ME sets up the call without modification	[Set up call to "+01234567890123456789"]

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

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to "+01234567890123456789"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL 1.4.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or ENVELOPE CALL CONTROL 1.4.1B	[Option B shall apply for PCS1900 parameters]
3	$UICC \to ME$	CALL CONTROL RESULT 1.4.1	[Call control result: "not Allowed"]
4	$ME \to USS$	The ME does not set up the call	
5	$User \to ME$	The user calls the last dialled number	
6	$ME \to UICC$	ENVELOPE CALL CONTROL 1.4.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or	Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL 1.4.1B	parameters]
7	$UICC \to ME$	CALL CONTROL RESULT 1.4.1	[Call control result: "not Allowed"]
8	$ME \to USS$	The ME does not set up the call	

Expected Sequence 1.14 (CALL CONTROL BY USIM, 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 by call control in its register.

Step	Direction	Message / Action	Comments
1	$User \to ME$	Set up a call to "+01234567890123456789"	
2	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL 1.6.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or ENVELOPE CALL CONTROL 1.6.1B	[Option B shall apply for PCS1900 parameters]
3	$UICC \to ME$	CALL CONTROL RESULT 1.6.1	[Call control result: "Allowed with modifications"]
4	$ME \to USS$	The ME sets up the call to "+010203"	
5	$User \to ME$	End call and then set up a call to "+01234567890123456789"	
6	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL 1.6.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or ENVELOPE CALL CONTROL	[Option B shall apply for PCS1900 parameters]
		1.6.1B	
7	$UICC \to ME$	CALL CONTROL RESULT 1.6.1	[Call control result: "Allowed with modifications"]
8	$ME \to USS$	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.

27.22.6.2 Procedure for Supplementary (SS) Services

27.22.6.2.1 Definition and applicability

See clause 3.2.2.

27.22.6.2.2 Conformance requirement

The ME shall support the CALL CONTROL facility as defined in the following technical specifications:

- TS 31.111 [15] clause 7.3.1.2.

27.22.6.2.3 Test purpose

To verify that the ME first pass the supplementary service control string corresponding to the supplementary service operation to the USIM, using the ENVELOPE (CALL CONTROL) command.

To verify that, if the UICC responds with '90 00', the ME shall send the supplementary service operation with the information as sent to the UICC.

To verify that, if the UICC returns response data, the ME shall use the response data appropriately to send the supplementary service operation as proposed, not send the SS operation, or instead send the USS operation using the data supplied by the UICC.

27.22.6.2.4 Method of tests

27.22.6.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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

The elementary files are coded as USIM Application Toolkit default with the following exception:

The call control service is available in the USIM Service Table.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

27.22.6.2.4.2 Procedure

Expected Sequence 2.1 (CALL CONTROL BY USIM, send SS, the USIM responds with '90 00')

Direction	Message / Action	Comments
$User \to ME$	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).	
$ME \to UICC$	ENVELOPE CALL CONTROL	Option A shall apply for GERAN/UTRAN
	2.1.1A	parameters]
	or	Option B shall apply for PCS1900
	ENVELOPE CALL CONTROL	parameters
	2.1.1B	
$UICC \rightarrow ME$	90 00	
	REGISTER 2.1	[The ME sends the supplementary
WE 7 000	1120101211211	service operation with the information as
		sent to the UICC]
USS → ME	RELEASE COMPLETE (SS	
	`	
	User → ME	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). ME → UICC ENVELOPE CALL CONTROL 2.1.1A or ENVELOPE CALL CONTROL 2.1.1B UICC → ME 90 00 ME → USS REGISTER 2.1

ENVELOPE CALL CONTROL 2.1.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21**10#"

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

BER-TLV:	D4	Note1	82	02	82	81	89	05	FF	2A	A1	1A

l D	30 l	10	NIO+o O	00	⊑ 1	10	00	0.4	00	01	Note 3	
0	5U I	13	Note 2	UU	ГΙ	10	UU	01	UU	UI	Note 3	

Note 1: Length of BER-TLV is '14' plus the actual length of all the present optional SIMPLE-TLV data objects

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 2.1.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"

Dialling number string "*21**10#"

Location Information

MCC & MNC the mobile country and network code (001110)

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

Coding:

BER-TLV:	D4	14	82	02	82	81	89	05	FF	2A	A1	1A
	В0	13	07	00	11	10	00	01	00	01		

REGISTER 2.1

Logically (only SS argument):

ACTIVATE SS ARGUMENT

SS-Code:

- Call Forwarding Unconditional

TeleserviceCode

- All Tele Services

Coding:

Coding	30	06	04	01	21	83	01	00		

RELEASE COMPLETE (SS RETURN RESULT) 2.1

Logically (only from operation code):

ACTIVATE SS RETURN RESULT

Forwarding Info

SS-Code

- Call Forwarding Unconditional

Forward Feature List

ForwardingFeature

TeleserviceCode

- All Tele Services

SS-Status

- state ind.: operative

- provision ind.: provisioned

registration ind.: registeredactivation ind.: active

Coding:

Coding	0C	A0	0D	04	01	21	30	80	30	06	83	01
	00	84	01	07								

Expected Sequence 2.2 (CALL CONTROL BY USIM, send SS, allowed without modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	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	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		2.2.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		2.2.1B	
3	UICC → ME	CALL CONTROL RESULT 2.2.1	[Call control result: "Allowed without modifications"]
4	$ME \to USS$	REGISTER 2.1	The ME sends the supplementary service
			operation with the information as sent to
			the UICC
5	$USS \to ME$	RELEASE COMPLETE (SS	
		RETURN RESULT) 2.1	

ENVELOPE CALL CONTROL 2.2.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21**10#"

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	89	05	FF	2A	A1	1A
	B0	13	Note 2	00	F1	10	00	01	00	01	Note 3	

Note 1: Length of BER-TLV is '14' plus the actual length of all the present optional SIMPLE-TLV data objects

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 2.2.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21**10#"

Location Information

MCC & MNC the mobile country and network code (001110)

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

Coding:

BER-TLV:	D4	14	82	02	82	81	89	05	FF	2A	A1	1A
	B0	13	07	00	11	10	00	01	00	01		

CALL CONTROL RESULT 2.2.1

Logically:

Call control result Allowed, no modifications

Coding:

BER-TLV:	00	00

Expected Sequence 2.3 (CALL CONTROL BY USIM, send SS, not allowed)

Step	Direction	Message / Action	Comments
1	$User \to ME$	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	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	Option A shall apply for GERAN/UTRAN
		2.3.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		2.3.1B	
3		CALL CONTROL RESULT 2.3.1	[Call control result: "Not Allowed"]
4	$ME \to USS$	The ME does not send the	
		supplementary service operation	

ENVELOPE CALL CONTROL 2.3.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21#"

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

BER- TLV:	D4	Note 1	82	02	82	81	89	03	FF	2A	B1	13
	Note 2	00	F1	10	00	01	00	01	Note 3			

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 2.3.1B

Logically:

Device identities

Source device: ME Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21#"

Location Information

MCC & MNC the mobile country and network code (001110)

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

Coding:

BER-TLV:	D4	12	82	02	82	81	89	03	FF	2A	B1	13
	07	00	11	10	00	01	00	01				

CALL CONTROL RESULT 2.3.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV:	01	00

Expected Sequence 2.4 (CALL CONTROL BY USIM, send SS, allowed with modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	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	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	Option A shall apply for GERAN/UTRAN
		2.4.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		2.4.1B	
3	$UICC \to ME$	CALL CONTROL RESULT 2.4.1	[Call control result: "Allowed with modifications"]
4	$ME \to USS$	REGISTER 2.4	The ME sends the supplementary
			service operation with the information as
			sent by the UICC]
5	$USS \to ME$	RELEASE COMPLETE (SS	_
		RETURN RESULT) 2.4	

ENVELOPE CALL CONTROL 2.4.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF"
Dialling number string "*21#"

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

BER-	D4	Note 1	82	02	82	81	89	03	FF	2A	B1	13
TLV:												
	Note 2	00	F1	10	00	01	00	01	Note 3			

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 2.4.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

SS String

TON/NPI: "FF" Dialling number string "*21#"

Location Information

MCC & MNC the mobile country and network code (001110)

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

Coding:

BER-TLV:	D4	12	82	02	82	81	89	03	FF	2A	B1	13
	07	00	11	10	00	01	00	01				

CALL CONTROL RESULT 2.4.1

Logically:

Call control result Allowed, with modifications

SS String

TON/NPI "FF" SS String "*#21#"

Coding:

BER-TLV:	02	06	89	04	FF	BA	12	FB

REGISTER 2.4

Logically (only SS argument):

INTERROGATE SS ARGUMENT

SS-Code

- Call Forwarding Unconditional

Coding:

BER-	30	03	04	01	21
TLV					

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.

27.22.6.3 Interaction with Fixed Dialling Number (FDN)

27.22.6.3.1 Definition and applicability

See clause 3.2.2.

27.22.6.3.2 Conformance requirement

The ME shall support the CALL CONTROL facility as defined in:

- TS 31.111 [15] clause 7.3.1.4.

27.22.6.3.3 Test purpose

To verify that the ME checks that the number entered through the MMI is on the FDN list.

To verify that, if the MMI input does not pass the FDN check, the call shall not be set up.

To verify that, if the MMI input does pass the FDN check, the ME shall pass the dialled digits and other parameters to the UICC, using the ENVELOPE (CALL CONTROL) command.

To verify that, if the UICC responds with "allowed, no modification", the ME shall set up the call as proposed.

To verify that, if the UICC responds with "not allowed", the ME shall not set up the call.

To verify that, if the UICC responds with "allowed with modifications", the ME shall set up the call in accordance with the response from the UICC. If the modifications involve changing the dialled digits, the ME shall not re-check this modified number against the FDN list.

27.22.6.3.4 Method of tests

27.22.6.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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

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

The call control service is available in the USIM Service Table.

Fixed Dialling Number service is enabled.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

27.22.6.3.4.2 Procedure

Expected Sequence 3.1 (CALL CONTROL BY USIM, set up a call not in EF_{FDN})

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "4321"	
2	$ME \to UICC$	The ME does not send the	
		ENVELOPE (CALL CONTROL)	
		command to the USIM.	
3	$ME \to USS$	The ME does not set up the call.	

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "123"	
2	$ME \rightarrow UICC$		[Option A shall apply for GERAN/UTRAN parameters]
			[Option B shall apply for PCS1900 parameters]
3	$UICC \to ME$	90 00	
4	$ME \rightarrow USS$	The ME sets up the call without modification	[Set up call to "123"]

ENVELOPE CALL CONTROL 3.2.1A

Logically:

Device identities

Source device: ME Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddrace

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER- TLV:	D4	Note 1	82	02	82	81	86	03	81	21	F3	Note 2
	Note 3	13	Note 5	00	F1	10	00	01	00	01	Note 6	Note 4

ENVELOPE CALL CONTROL 3.2.1B

Logically:

Device identities

Source device: ME

Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0001)

Cell ID Cell Identity Value (0001) Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-	D4	Note 1	82	02	82	81	86	03	81	21	F3	Note 2
TLV:												
	Note 3	13	07	00	11	10	00	01	00	01	Note 4	

- Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.
- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Subaddress may be present at this place. If present, it may take up several octets.
- Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'
- Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

Expected Sequence 3.3 (CALL CONTROL BY USIM, set up a call in EF_{FDN}, Allowed without modifications)

Step	Direction	Message / Action	Comments
1		The user sets up a call to "9876"	
2	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		3.3.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		3.3.1B	
3	$UICC \to ME$	CALL CONTROL RESULT 3.3.1	[Call control result: "Allowed without
			modifications"]
4	$ME \rightarrow USS$	The ME sets up the call without	[Set up call to "9876"]
		modification	

ENVELOPE CALL CONTROL 3.3.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER- TLV:	D4	Note 1	82	02	82	81	86	03	81	89	67	Note 2
	Note 3	13	Note 5	00	F1	10	00	01	00	01	Note 6	Note 4

ENVELOPE CALL CONTROL 3.3.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER- TLV:	D4	Note 1	82	02	82	81	86	03	81	89	67	Note 2
	Note 3	13	07	00	11	10	00	01	00	01	Note 4	

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Subaddress may be present at this place. If present, it may take up several octets.

Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 3.3.1

Logically:

Call control result Allowed, no modifications

Coding:

BER-TLV:	00	00

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

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "9876"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		3.4.1A	parameters]
		or	Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		3.4.1B	
3	$UICC \to ME$	CALL CONTROL RESULT 3.4.1	[Call control result: "Not Allowed"]
4	$ME \to USS$	The ME does not set up the call	

ENVELOPE CALL CONTROL 3.4.1A

Logically:

Device identities

Source device: ME Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

	BER- TLV:	D4	Note 1	82	02	82	81	86	03	81	89	67	Note 2	
-		Note 3	13	Note 5	00	F1	10	00	01	00	01	Note 6	Note 4	

ENVELOPE CALL CONTROL 3.4.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-	D4	Note 1	82	02	82	81	86	03	81	89	67	Note 2
TLV:												
	Note 3	13	07	00	11	10	00	01	00	01	Note 4	

- Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.
- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Subaddress may be present at this place. If present, it may take up several octets.
- Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'
- Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 3.4.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV:	01	00

Expected Sequence 3.5 (CALL CONTROL BY USIM , set up a call in EF_FDN , Allowed with modifications)

Step	Direction	Message / Action	Comments
1	$User \rightarrow ME$	The user sets up a call to "9876"	
2	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		3.5.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		3.5.1B	
3	$UICC \to ME$	CALL CONTROL RESULT 3.5.1	[Call control result: "Allowed with
			modifications"]
4	$ME \rightarrow USS$	The ME sets up the call with data	[Set up call to "3333"]
		sent by the UICC	

ENVELOPE CALL CONTROL 3.5.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 6

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER- TLV:	D4	Note 1	82	02	82	81	86	03	81	89	67	Note 2
	Note3	13	Note 5	00	F1	10	00	01	00	01	Note 6	Note 4

ENVELOPE CALL CONTROL 3.5.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "9876" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (001110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER- TLV:	D4	Note 1	82	02	82	81	86	03	81	89	67	Note 2
	Note3	13	07	00	11	10	00	01	00	01	Note 4	

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

- Note 3: Subaddress may be present at this place. If present, it may take up several octets.
- Note 4: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 5: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 6: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 3.5.1

Logically:

Call control result Allowed with modifications

Address

TON Unknown

NPI "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

27.22.6.4.1 Definition and applicability

Barred Dialling Numbers (BDN) is a service defined for the USIM. An enabled BDN service results in call restrictions for the ME. The call restrictions are controlled by the Terminal. To ascertain the type of USIM and state of BDN the ME runs the BDN capability request procedure during UICC-Terminal initialisation. At the time an emergency call is setup using the emergency call code read from the EF_{ECC} , the Rel-4+ ME shall use the category of the emergency service indicated.

27.22.6.4.2 Conformance requirement

- 1) Recognising the state of the USIM (BDN enabled) the ME shall perform the UICC initialisation procedure as specified.
- 2) The ME shall prevent call set-up to any number stored in EF_{BDN} if BDN service is enabled.
- 3) The ME shall allow call set-up to any number stored in EF_{BDN} if BDN service is disabled.
- 4) Any change to the EF_{BDN} or EF_{EST} does request PIN2.
- 5) The ME allows call set-up of an emergency call, even if this number is stored in the USIM.

References:

- R99: TS 22.101[22], clause 8 and A.19;
- Rel-4: TS 22.101[22], clause 9 and A.20;
- Rel-5+: TS 22.101[22], clause 10 and A.21;
- TS 31.102[14], subclauses 4.2.44, 4.4.2.3, 5.1.1 and 5.3.2;
- TS 24.008[10], subclause 10.5.4.33;

- TS 31.111[15], subclause 7.3.1.5

27.22.6.4.3 Test purpose

- To verify that the Terminal rejects call set-up to any number that has an entry in EF_{BDN} if BDN service is enabled.
- 2) To verify that the Terminal allows call set-up to any number not stored in EF_{BDN}.
- 3) To verify that the Terminal allows emergency call set-up even if the number is stored in EF_{BDN}.
- 4) To verify that the Rel-4+ Terminal reads correctly the emergency service category stored in EF_{ECC}
- 5) To verify that, if the UICC responds with "not allowed", the ME does not set up the call.
- 6) To verify that, if the UICC responds with "allowed, no modification", the ME shall set up the call (or the supplementary service operation) as proposed.
- 7) To verify that, if the UICC responds with "allowed with modifications", the ME sets up the call in accordance with the response from the UICC. If the modifications involve changing the dialled number the ME does not recheck this modified number against the FDN list when FDN is enabled.
- 8) To verify that updating EF BDN or changing the status of BDN service shall be performed by the use of second application PIN only.
- 9) To verify that the ME allows call set up to a BDN number if BDN service is disabled.

27.22.6.4.4 Method of tests

27.22.6.4.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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

The call control service is available in the USIM Service Table.

The elementary files are coded as USIM Application Toolkit default with the following exceptions:

Barred Dialling Number service is enabled.

Fixed Dialling Number service is disabled.

Only prior to the execution of expected sequence 4.3 the FDN service shall be enabled.

The Second Application PIN (key reference 81) shall be enabled, but not verified.

Only in expected sequence 4.2B EF_{ECC} shall be used with the following values:

EF_{ECC} (Emergency Call Codes)

Logically: Emergency call code: "122";

Emergency call code alpha identifier: "TEST";

Emergency call Service Category: "Mountain Rescue".

Coding:	B1	B2	В3	B4	В5	B6	В7	B8
Hex	21	F2	FF	54	45	53	54	10

The GERAN/UTRAN parameters of the system simulator are:

• Mobile Country Code (MCC) = 001;

- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

The PCS 1900 parameters of the system simulator are:

Mobile Country Code (MCC) = 001;

- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

27.22.6.4.4.2 Procedure

Expected Sequence 4.1 (CALL CONTROL BY USIM, BDN service enabled)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to	[Number as stored in record 1 of EF
		"+1357924680"	BDN]
2	$ME \to UICC$	ENVELOPE CALL CONTROL	
		4.1.1	
3	$UICC \to ME$	CALL CONTROL RESULT 4.1.1	[Call control result: "Not Allowed"]
4	$ME \rightarrow USS$	The ME does not set up the call	
5	$User \to ME$	The user sets up a call to the	
		number stored in record 1 of EF ADN	
6	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	
O	IVIE → UICC	4.1.2	
7	$UICC \to ME$	CALL CONTROL RESULT 4.1.2	[Call control result: "Allowed without
	0.00 /		modifications"]
8	$ME \to USS$	The ME sets up the call without	_
		modification	
9	$User \to ME$	The user sets up a call to '123456'	
10	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	
4.4	11100 ME	4.1.3	[O = II = a a tanal and a suite II A II a constant of the acet
11	$UICC \to ME$	CALL CONTROL RESULT 4.1.2	[Call control result: "Allowed without modifications"]
12	$ME \to USS$	The ME sets up the call without	
12	IVIE → USS	modification	
13	$User \to ME$	The user sets up a call to "1111"	
14	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	
		4.1.4	
15	$UICC \to ME$	CALL CONTROL RESULT 4.1.3	[Call control result: "Allowed with
			modifications"]
16	$ME \rightarrow USS$	The ME sets up the call with data	[Set up call to "2222"]
17	11aaa - MT	sent by the UICC The user shall use a MMI	
17	$User \to ME$	dependent procedure to initiate	
		the disabling of the BDN service	
18	$ME \rightarrow User$	Ask for second application PIN	
	, 555.	verification	
19	$User \to ME$	The user shall enter the second	
		application PIN	
20	$ME \rightarrow UICC$	Update EF EST to disable BDN	
21	LUCC - ME	service UICC responds with SW = '90 00'	
21	UICC → ME	Indicate that the BDN service was	
	$ME \rightarrow User$	disabled successfully	
23	$User \to ME$	The user uses the MMI to store	[The alpha identifier is not changed.]
	0001 / WIL	the directory number	
		"+876543210" in EF _{BDN} as barred	
		dialling number 1 (record 1).	
24	$ME \to UICC$	Update EF BDN	
25	$UICC \to ME$	UICC responds with SW = '90 00'	
26	$ME \to User$	The user attempts to set up a call	
27a	ME THOO	to '+876543210'. No Envelope call control is sent	
27a 27b	$\begin{array}{c} ME \to UICC \\ ME \to USS \end{array}$	The ME sets up the call without	
210	IVI⊑ → USS	modification	
		modification	

ENVELOPE CALL CONTROL 4.1.1

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON International

NPI "ISDN / telephone numbering plan"

Dialling number string "1357924680"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER- TLV:	D4	Note 1	82	02	82	81	86	06	91	31	75	29
	64	08	Note 2	13	Note 4	00	F1	10	00	01	00	01
	Note5	Note 3										

Note 1: Length of BER-TLV is '15' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 4.1.2

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 5

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	03	81	21	F3	Note 2
	13	Note 4	00	F1	10	00	01	00	01	Note 5	Note 3	

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'
- Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 4.1.3

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123456" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 5

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-	D4	Note 1	82	02	82	81	86	04	81	21	43	65
TLV:												
	Note 2	13	Note 4	00	F1	10	00	01	00	01	Note 5	Note 3

- Note 1: Length of BER-TLV is '13' plus the actual length of all the present optional SIMPLE-TLV data objects.
- Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.
- Note 3: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.
- Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'.
- Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE CALL CONTROL 4.1.4

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "1111" Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 5

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	03	81	11	11	Note 2
	13	Note 4	00	F1	10	00	01	00	01	Note 5	Note 3	

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 4.1.1

Logically:

Call control result Not Allowed

Coding:

BER-TLV:	01	00

CALL CONTROL RESULT 4.1.2

Logically:

Call control result Allowed, no modifications

Coding:

BER-TLV:	00	00

CALL CONTROL RESULT 4.1.3

Logically:

Call control result Allowed with modifications

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "2222"

Coding:

BER-TLV:	02	05	86	03	81	22	22	
								l

Expected Sequence 4.2A (CALL CONTROL BY USIM, BDN service enabled, interaction with emergency call codes, R99 only)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up an emergency call to an emergency number stored in the terminal.	The used emergency number shall be one of the emergency call codes, which are available when a SIM/USIM is present, according to TS 22.101[22], subclause 8 is used (i.e. "112", or "911").
2a	$ME \to UICC$	No Envelope call control is sent	,
2b	$ME \to USS$	The ME shall allow an emergency	
		call by indicating the call setup as "Emergency Call'.	
3	$User \to ME$	End the emergency call.	

Expected Sequence 4.2B (CALL CONTROL BY USIM, BDN service enabled, interaction with emergency call codes, Rel-4+)

Step	Direction	Message / Action	Comments
1	User $ ightarrow$ ME	The user sets up an emergency call to an emergency number stored in the terminal.	The used emergency number shall be one of the emergency call codes, which are available when a SIM/USIM is present, according to TS 22.101[22], subclause 9 (Rel-4) or 10 (Rel-5+) is used (i.e. "112", or "911").
2a	$ME \to UICC$	No Envelope call control is sent	
2b	$ME \to USS$	The ME shall allow an emergency call by indicating the call setup as "Emergency Call'.	
3	$User \to ME$	End the emergency call.	
4	$User \to ME$	The user sets up an emergency call to an emergency number stored in the USIM.	
5a	$ME \to UICC$	No Envelope call control is sent	
5b	$ME \to USS$	The ME shall allow an emergency call by sending the emergency service category correctly as 'Mountain Rescue'.	
6	$User \to ME$	End the emergency call.	

Expected Sequence 4.3 (CALL CONTROL BY USIM , FDN and BDN enabled, set up a call in EF_FDN , Allowed with modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "123"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL	
		4.3.1	
3	$UICC \to ME$	CALL CONTROL RESULT 4.3.1	[Call control result: "Allowed with
			modifications"]
4	$ME \to USS$	The ME sets up the call with data	[Set up call to "24680"the ME does not
		sent by the UICC	re-check this modified number against
			the FDN list]

ENVELOPE CALL CONTROL 4.3.1

Logically:

Device identities

Source device: ME
Destination device: UICC

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Dialling number string "123"

Capability configuration parameters 1

This parameter is optional. If present, the contents shall not be checked.

Subaddress

This parameter is optional. If present, the contents shall not be checked.

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 5

Capability configuration parameters 2

This parameter is optional. If present, the contents shall not be checked.

Coding:

BER-TLV:	D4	Note 1	82	02	82	81	86	03	81	21	F3	Note 2
	13	Note 4	00	F1	10	00	01	00	01	Note 5	Note 3	

Note 1: Length of BER-TLV is '12' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Capability configuration parameters 1 may be present at this place. If present, it may take up several octets.

Note 3: Capability configuration parameters 2 may be present at this place. If present, it may take up several octets.

Note 4: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 5: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

CALL CONTROL RESULT 4.3.1

Logically:

Call control result Allowed with modifications

Address

TON Unknown

NPI "ISDN / telephone numbering plan"

Address value "24680"

Coding:

BER-TLV:	02	06	86	04	81	42	86	F0	

27.22.6.4.5 Test requirement

The ME shall operate in the manner defined in expected sequences 4.1 to 4.3.

27.22.6.5 Barred Dialling Number (BDN) service handling for terminals not supporting BDN

27.22.6.5.1 Definition and applicability

Barred Dialling Numbers (BDN) is a service defined for the USIM. An enabled BDN service results in call restrictions for the ME. The call restrictions are controlled by the Terminal. If BDN is enabled, an ME which does not support Call Control shall allow emergency calls but shall not allow MO-CS calls.

27.22.6.5.2 Conformance requirement

- 1) Recognising the state of the USIM (BDN enabled) the ME shall perform the UICC initialisation procedure as specified.
- 2) The ME shall prevent MO-CS call set-up to any number except to emergency call numbers if the BDN service is enabled.

References:

- Rel-5+: TS 22.101[22], clause 10 and A.21;

TS 31.102[14], subclauses 4.2.44, 4.4.2.3, 5.1.1.2 and 5.3.2;

TS 31.111[15], subclause 7.3.1.5

27.22.6.5.3 Test purpose

- 1) To verify that the Terminal rejects MO-CS call set-up to any number except to emergency call numbers if BDN service is enabled.
- 2) To verify that the Terminal allows emergency call set-up even if the BDN service is enabled.

27.22.6.5.4 Method of tests

27.22.6.5.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

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

The call control service is available in the USIM Service Table.

The elementary files are coded as USIM Application Toolkit default with the following exceptions:

Barred Dialling Number service is enabled.

27.22.6.5.4.2 Procedure

Expected Sequence 5.1 (CALL CONTROL BY USIM, BDN service enabled, ME not supporting BDN)

Step	Direction	Message / Action	Comments
1	$User \to ME$	The user sets up a call to "+1357924680"	[Number as stored in record 1 of EF BDN]
2a	$ME \to UICC$	No ENVELOPE CALL CONTROL is sent	
2b	$ME \to USS$	The ME does not set up the call	
3	$User \to ME$	The user sets up a call to the number stored in record 1 of EF ADN	
4a	$ME \to UICC$	No ENVELOPE CALL CONTROL is sent	
4b	$ME \to USS$	The ME does not set up the call	
5	$User \to ME$	The user sets up an emergency call to "112"	
6a	$ME \to UICC$	No ENVELOPE CALL CONTROL is sent	
6b	$ME \to USS$	The ME sets up the emergency call to "112"	
7	$User \to ME$	The user shall terminate the emergency call after 5 seconds. The ME returns to idle mode.	

27.22.7 EVENT DOWNLOAD

27.22.7.1 MT Call Event

27.22.7.1.1 MT Call Event (normal)

27.22.7.1.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.1.1.2 Conformance requirement

The ME shall support the EVENT: MT Call event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.1.1.3 Test purpose

To verify that the ME informs the UICC that an Event: MT Call has occurred using the ENVELOPE (EVENT DOWNLOAD - MT Call) command.

27.22.7.1.1.4 Method of test

27.22.7.1.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.1.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -MT Call event)

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		EVENT LIST 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
		EVENT LIST 1.1.1	
5	$USS \to ME$	CALL SET UP without CLI	[MT Call Set Up Without CLI]
6	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD	
		- MT Call 1.1.1	
7	$USS \to ME$	CALL DISCONNECT	
8		CALL SET UP with CLI	[MT Call Set Up With CLI]
9	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD	
		- MT Call 1.1.2	
10	$USS \to ME$	CALL DISCONNECT	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00

Device identities

Source device: UICC

Destination device: ME

Event list

Event 1: MT call

Coding:

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

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: UICC

Result

General Result: Command performed successfully

Coding:

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

EVENT DOWNLOAD - MT CALL 1.1.1

Logically:

Event list: MT call event

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Coding:

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

EVENT DOWNLOAD - MT CALL 1.1.2

Logically:

Event list: MT call event

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Address:

TON Unknown

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	81	89	67							

27.22.7.1.1.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 1.1'.

27.22.7.2 Call Connected Event

27.22.7.2.1 Call Connected Event (MT and MO call)

27.22.7.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.2.1.2 Conformance requirement

The ME shall support the EVENT: Call Connected event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.2.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Call Connected has occurred using the ENVELOPE (EVENT DOWNLOAD -Call Connected) command.

27.22.7.2.1.4 Method of test

27.22.7.2.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.2.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -CALL CONNECTED)

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
		1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[EVENT: Call Connected active]
		EVENT LIST 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
		EVENT LIST 1.1.1	
5	$USS \to ME$	SETUP	[MT Call] Ti = 0
6	$USER \to ME$	Accept Call Set Up	
7	$ME { ightarrow} USS$	CONNECT	
8	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD	
		- Call Connected 1.1.1	
9	$USS \to ME$	DISCONNECT	
10	$USER \to ME$	Initiate Call to "123"	
11	$ME \to USS$	SETUP	[MO Call] Ti = 0
12	$USS \to ME$	CONNECT	
13	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD	
		- Call Connected 1.1.2	
14	$USER \to ME$	End Call	
15	$ME \to USS$	DISCONNECT	

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: UICC 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 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: UICC

Result

General Result: Command performed successfully

Coding:

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

EVENT DOWNLOAD - CALL CONNECTED 1.1.1

Logically:

Event list: Call connected

Device identities

Source device: ME
Destination device: UICC

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 CONNECTED 1.1.2

Logically:

Event list: Call connected

Device identities

Source device: Network
Destination device: UICC

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

27.22.7.2.1.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 1.1'.

27.22.7.2.2 Call Connected Event (ME supporting SET UP CALL)

27.22.7.2.2.1 Definition and applicability

See clause 3.2.2.

27.22.7.2.2.2 Conformance requirement

Additionally the ME shall support the SET UP CALL Proactive UICC Command as defined in:

- TS 31.111 [15] clause 7.5, clause 6.4.13 and clause 6.6.12.

27.22.7.2.2.3 Test purpose

To verify that the ME informs the UICC that an Event: Call Connected has occurred using the ENVELOPE (EVENT DOWNLOAD -Call Connected) command.

27.22.7.2.2.4 Method of test

27.22.7.2.2.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

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	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
		2.1.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[EVENT: Call Connected active]
		EVENT LIST 2.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
_		EVENT LIST 2.1.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP CALL 2.1.1	
6	ME o UICC		
7			[SAT Call]
'	OICC → ME	PROACTIVE COMMAND: SET UP CALL 2.1.1	[SAT Call]
8	ME \USED	ME displays "+012340123456"	ME BEHAVIOUR: SET UP CALL
0	WIL → USLIX	during the user confirmation	INE BEHAVIOUR. SET OF CALL
		phase.	
9	$USER \to ME$	Confirm call set up	
10		SETUP	Ti=0
11	$USS \to ME$	CONNECT	
12		TERMINAL RESPONSE: SET UP	
		CALL 2.1.1	
13	$ME \rightarrow UICC$	ENVELOPE: CALL CONNECTED	
		2.1.1	

PROACTIVE COMMAND: SET UP EVENT LIST 2.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC 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: UICC

Result

General Result: Command performed successfully

Coding:

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

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: UICC
Destination device: Network

Alpha identifier: "+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									

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: UICC

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: UICC

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

27.22.7.2.2.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 2.1'.

27.22.7.3 Call Disconnected Event

27.22.7.3.1 Call Disconnected Event

27.22.7.3.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.3.1.2 Conformance requirement

The ME shall support the EVENT: Call Disconnected event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.3.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Call Disconnected has occurred using the ENVELOPE (EVENT DOWNLOAD -Call Disconnected) command.

27.22.7.3.1.4 Method of test

27.22.7.3.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

27.22.7.3.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD -CALL DISCONNECTED)

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
		1.1.1	
2		FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[EVENT: Call Disconnected active]
4	ME LUCC	EVENT LIST 1.1.1 TERMINAL RESPONSE: SET UP	
4	$ME \rightarrow UICC$	EVENT LIST 1.1.1	
5	$USS \to ME$	SETUP	[incoming call] Ti=0
6	$USER \to ME$	Accept Call Set Up	
7	$USS \to ME$	RELEASE	[MT RELEASE]
8	$ME {\to} UICC$	ENVELOPE: CALL	
		DISCONNECTED 1.1.1	
9	$USS \to ME$	SETUP	[incoming call] Ti=0
10		Accept Call Set Up	
11	$USS \to ME$	RELEASE COMPLETE	[MT RELEASE COMPLETE]
12	$ME \rightarrow UICC$	ENVELOPE: CALL	
13	$USS \to ME$	DISCONNECTED 1.1.1 SETUP	[incoming call] Ti=0
14		Accept Call Set Up	[Incoming call] Ti=0
15	USER → ME		
16	ME → USS	DISCONNECT	[MO DISCONNECT]
17	$ME \rightarrow UICC$	ENVELOPE: CALL	[IMO DISCONNECT]
17	IVIE → UICC	DISCONNECTED 1.1.2A	
		or	
		ENVELOPE: CALL	
		DISCONNECTED 1.1.2B	
		or	
		ENVELOPE: CALL	
		DISCONNECTED 1.1.2C	
18	$USS \to ME$	SETUP	[incoming call] Ti=0
19		Accept Call Set Up	
20	$USS \to ME$	DISCONNECT	[MT DISCONNECT + CAUSE: normal call
21	ME LUCC	ENVELOPE: CALL	clearing]
21	$ME \rightarrow UICC$	DISCONNECTED 1.1.3A	
		or	
		ENVELOPE: CALL	
		DISCONNECTED 1.1.3B	
22	$USS \to ME$	SETUP	Ti=0
23		Accept Call Set Up	
24	USS	TX POWER to XX	[RADIO LINK FAILURE]
25	$ME {\to} UICC$	ENVELOPE: CALL	-
		DISCONNECTED 1.1.4A or 1.1.4B	

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: UICC Destination device: ME

Event list

Event 1: Call Disconnected

Coding:

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

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: UICC

Result

General Result: Command performed successfully

Coding:

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

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.1

Logically:

Event list: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause:

Coding:

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

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2A

Logically:

Event list: Call Disconnected

Device identities

Source device: ME Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

Coding:

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

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2B

Logically:

Event list: Call Disconnected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

Cause: normal call clearing

Coding:

BER-TLV:	D6	0E	19	01	02	82	02	82	81	1C	01	80
	9A	02	60	90								

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.2C

Logically:

Event list: Call Disconnected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 1 (bit 8)

Cause: normal call clearing

Coding:

BER-TLV:	D6	0E	19	01	02	82	02	82	81	1C	01	80
	9A	02	E0	90								

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.3A

Logically:

Event list: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause: normal call clearing

Coding:

BER-TLV:	D6	0E	19	01	02	82	02	83	81	1C	01	00
	9A	02	60	90								

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.3B

Logically:

Event list: Call Disconnected

Device identities

Source device: Network
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7) Ti flag: 0 (bit 8)

Cause: normal call clearing

Coding:

BER-TLV:	D6	0E	19	01	02	82	02	83	81	1C	01	00
	9A	02	E0	90								

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.4A

Logically:

Event list: Call Disconnected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 1 (bit 8)

Cause: radio link failure

Coding:

BER-TLV:	D6	0C	19	01	02	82	02	82	81	1C	01	80
	9A	00										

EVENT DOWNLOAD - CALL DISCONNECTED 1.1.4B

Logically:

Event list: Call Disconnected

Device identities

Source device: ME
Destination device: UICC

Transaction identifier:

Ti value: 0 (bit 5-7)
Ti flag: 0 (bit 8)

Cause: radio link failure

Coding:

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

27.22.7.3.1.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 1.1'.

27.22.7.4 Location Status Event

27.22.7.4.1 Location Status Event (normal)

27.22.7.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.4.1.2 Conformance requirement

The ME shall support the EVENT: Location Status event as defined in:

- TS 31.111 [15] clause 7.5 and clause 6.4.16.

27.22.7.4.1.3 Test purpose

To verify that the ME informs the UICC that an Event: MM_IDLE state has occurred using the ENVELOPE (EVENT DOWNLOAD - Location Status) command.

27.22.7.4.1.4 Method of test

27.22.7.4.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001.

Two cells are defined. Cell 1 has location area code 1 and cell 2 has location area code 2.

MS is in service on Cell 1.

27.22.7.4.1.4.2 Procedure

Expected Sequence 1.1(EVENT DOWNLOAD -LOCATION STATUS)

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
2	$ME \rightarrow UICC$	1.1.1 FETCH	
3		. = . *	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
	IVIL -> 0100	EVENT LIST 1.1.1	
5	USS	Cell 1 is switched off	
6	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD	
		- Location Status 1.1.1	
7	USS	Cell 2 is switched on after Location	
		Status 'No service' has been	
		received in step 6	
8	ME	ME performs cell reselection to cell 2	
9	$ME \to USS$	LOCATION UPDATING	The ME is CS and/or PS registered
		REQUEST or ROUTING AREA	depending on its capabilities
		UPDATE REQUEST	
10	$USS \to ME$	LOCATION UPDATING ACCEPT	
		or ROUTING AREA UPDATE ACCEPT	
11	$ME \to USS$	ITMSI REALLOCATION	
''	IVIE → USS	COMPLETE or ROUTING AREA	
		UPDATE COMPLETE	
12	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD	Option A shall apply for GERAN/UTRAN
		- Location Status 1.1.2A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE: EVENT DOWNLOAD	parameters]
		- Location Status 1.1.2B	[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:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: UICC 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										

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: UICC

Result

General Result: Command performed successfully

Coding:

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

EVENT DOWNLOAD - LOCATION STATUS 1.1.1

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC
Location status: No service

Coding:

BER-TLV:	D6	0A	19	01	03	82	02	82	81	1B	01	02

EVENT DOWNLOAD - LOCATION STATUS 1.1.2A

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (00F110)

LAC the location Area Code (0002)

Cell ID Cell Identity Value (0002)

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

BER-TLV:	D6	Note 1	19	01	03	82	02	82	81	1B	01	00
	13	Note 2	00	F1	10	00	02	00	02	Note 3		

Note 1: Depending on the presence of the Extended Cell Identity Value the length is '13' or '15'

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified

EVENT DOWNLOAD - LOCATION STATUS 1.1.2B

Logically:

Event list: Location status

Device identities

Source device: ME
Destination device: UICC

Location status: normal service

Location Information

MCC & MNC the mobile country and network code (001110)

LAC the location Area Code (0002) Cell ID Cell Identity Value (0002)

Coding:

BER-TLV:	D6	13	19	01	03	82	02	82	81	1B	01	00
	13	07	00	11	10	00	02	00	02			

27.22.7.4.1.5 Test requirement

The behaviour of the test is as defined in 'Expected Sequence 1.1'.

27.22.7.5 User Activity Event

27.22.7.5.1 User Activity Event (normal)

27.22.7.5.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.5.1.2 Conformance Requirement

The ME shall support the EVENT DOWNLOAD -USER ACTIVITY as defined in:

- TS 31.111 [15] clause 5.2, clause 6.4.16, clause 6.8, clause 6.6.16, clause 6.11, clause 7.5, clause 8.6 and clause 8.25.

27.22.7.5.1.3 Test purpose

To verify that the ME performed correctly the procedure of USER ACTIVITY EVENT.

27.22.7.5.1.4 Method of Test

27.22.7.5.1.4.1 Initial conditions

The ME is connected to the USIM 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 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)

See ETSI TS 102 384 [26] in subclause 27.22.7.5.1.4.2, Expected Sequence 1.1.

27.22.7.5.1.5 Test requirement

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

27.22.7.6 Idle screen available event

27.22.7.6.1 Idle Screen Available (normal)

27.22.7.6.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.6.1.2 Conformance requirement

The ME shall support the EVENT: IDLE SCREEN AVAILABLE event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.6.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Idle Screen Available has occurred using the ENVELOPE (EVENT DOWNLOAD - IDLE SCREEN AVAILABLE) command.

27.22.7.6.1.4 Method of test

27.22.7.6.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure and be in updated idle mode on the USS.

27.22.7.6.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - IDLE SCREEN AVAILABLE)

See ETSI TS 102 384 [26] in subclause 27.22.7.6.1.4.2, Expected Sequence 1.1.

27.22.7.6.1.5 Test requirement

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

27.22.7.7 Card reader status event

27.22.7.7.1 Card Reader Status (normal)

27.22.7.7.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.7.1.2 Conformance requirement

The ME shall support the EVENT: Call Card Reader Status event as defined in:

- TS 31.111 [15] clause 4.7, clause 4.9, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, clause 8.25, clause 8.33, annex F, annex G, clause 8.25 and clause 8.7.

27.22.7.7.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Card Reader Status has changed using the ENVELOPE (EVENT DOWNLOAD - Card Reader Status) command.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen.

27.22.7.7.1.4 Method of test

27.22.7.7.1.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

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)

See ETSI TS 102 384 [26] in subclause 27.22.7.7.1.4.2, Expected Sequence 1.1.

27.22.7.7.1.5 Test requirement

The behaviour of the test is as defined in expected Sequence 1.1.

27.22.7.7.2 Card Reader Status(detachable card reader)

27.22.7.7.2.1 Definition and applicability

See clause 3.2.2.

27.22.7.7.2.2 Conformance requirement

The ME shall support the EVENT: Call Card Reader Status event as defined in:

- TS 31.111 [15] clause 4.7, clause 4.9, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, clause 8.25, clause 8.33, annex F, annex G, clause 8.25 and clause 8.7.

27.22.7.7.2.3 Test purpose

To verify that the ME informs the UICC that an Event: Card Reader Status has changed using the ENVELOPE (EVENT DOWNLOAD - Card Reader Status) command.

The ME-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for MEs with only one additional card reader.

In this particular case the card reader identifier 1 is chosen as an example.

27.22.7.7.2.4 Method of test

27.22.7.7.2.4.1 Initial conditions

The ME is connected to the USIM Simulator.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

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)

See ETSI TS 102 384 [26] in subclause 27.22.7.7.2.4.2, Expected Sequence 2.1.

27.22.7.7.2.5 Test requirement

The behaviour of the test is as defined in expected Sequence 2.1.

27.22.7.8 Language selection event

27.22.7.8.1 Language selection event (normal)

27.22.7.8.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.8.1.2 Conformance requirement

The ME shall support the EVENT: LANGUAGE SELECTION event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, and clause 8.25.

27.22.7.8.1.3 Test purpose

To verify that the ME informs the UICC that an Event: Language selection has occurred using the ENVELOPE (EVENT DOWNLOAD - LANGUAGE SELECTION) command.

27.22.7.8.1.4 Method of test

27.22.7.8.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The elementary files are coded as USIM Application Toolkit default.

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

The current language shall have been set to English. Another language has to be supported, German is an example.

27.22.7.8.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - LANGUAGE SELECTION)

See ETSI TS 102 384 [26] in subclause 27.22.7.8.1.4.2, Expected Sequence 1.1.

27.22.7.8.1.5 Test requirement

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

27.22.7.9 Browser termination event

27.22.7.9.1 Browser termination (normal)

27.22.7.9.1.1 Definition and applicability

This test is only applicable to ME's that support the EVENT: browser termination event driven information.

27.22.7.9.1.2 Conformance requirement

The ME shall support the EVENT: Browser termination event as defined in:

- TS 31.111 [15] clause 4.7, clause 5.2, clause 6.4.16, clause 6.8, clause 7.5, , clause 8.25, clause 8.51, annex F and clause 8.7.

27.22.7.9.1.3 Test purpose

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

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This test applies for MEs which have a browser.

27.22.7.9.1.4 Method of test

27.22.7.9.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

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

27.22.7.9.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - Browser termination)

Step	Direction	Message / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		EVENT LIST 1.1.1 PENDING	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[EVENT: Browser termination Status]
		EVENT LIST 1.1.1	
4	$ME \to UICC$	TERMINAL RESPONSE: SET UP	[Successfully]
		EVENT LIST 1.1.1	
5	User→ME	Launch the browser with the URL	
		selected by the user	
6	$ME { ightarrow} USS$	The ME attempts to launch the	
		session with the default browser	
		parameters and the URL selected	
		by the user.	
7	User→ME	Stop the session and the browser.	
8	$ME \rightarrow UICC$	ENVELOPE: BROWSER	
		TERMINATION 1.1.1	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00

Device identities

Source device: UICC Destination device: ME

Event list

Event 1: Browser termination

Coding:

BER-TLV:	D0	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:

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

ENVELOPE: EVENT DOWNLOAD BROWSER TERMINATION 1.1.1

Logically:

Event list

Event 1: Browser termination

Device identities

Source device: ME
Destination device: UICC

Browser termination cause: User termination

Coding:

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

27.22.7.9.1.5 Test requirement

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

27.22.7.10 Data available event

27.22.7.10.1 Definition and applicability

See clause 3.2.2.

27.22.7.10.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

Additionally the ME shall support ENVELOPE (EVENT DOWNLOAD - Data available).

27.22.7.10.3 Test purpose

To verify that the ME shall send an ENVELOPE (EVENT DOWNLOAD - Data available) to the UICC after the ME receives a packet of data from the server by the BIP channel previously opened.

27.22.7.10.4 Method of test

27.22.7.10.4.1 Initial conditions

The ME is connected to the USIM Simulator and only connected to the USS if the USS is mentioned in the sequence table.. 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 UICC must have sent the SET UP EVENT LIST to the ME to supply a set of events (event Data available).

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The PROACTIVE COMMAND: SEND DATA 1.1.1 shall be performed successfully to detect the ME's port number, which has to be addressed by the network simulator when data has to be transmitted to the card. The corresponding Terminal Response shall be TERMINAL RESPONSE: SEND DATA 1.1.1.

The following Bearer Parameters used are those defined in the default Test PDP context3, for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol:02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd UICC/ME interface transport level

Transport format:UDP Port number: 44444

Data destination address 01.01.01.01

27.22.7.10.4.2 Procedure

Expected sequence 1.1 (EVENT DOWNLOAD - Data available)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	See initial conditions
		OPEN CHANNEL 1.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	[Command performed successfully]
		CHANNEL 1.1.1	
4	$ME \to USER$	The ME may display channel opening	
		information	
5	$ME \to USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \to UICC$	TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SEND DATA 1.1.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
44		(immediate) 1.1.1	[Tarantaiana NATIa mantananahan]
11	$ME \to USS$	Transfer of 8 Bytes of data to the USS	[To retrieve ME's port number]
12	ME	through channel 1 TERMINAL RESPONSE: SEND DATA	[Command parformed augocoefully]
12	$ME \rightarrow UICC$		[Command performed successfully]
13	$USS \to ME$	(immediate) 1.1.1	
13	USS → IVIE	Data sent through the BIP channel using the ME's port number, which was	
		retrieved in step 11	
14	$ME \rightarrow UICC$	ENVELOPE 1.1.1 (Event-Data	
'4	IVIE → UICC	Available)	
		Available	

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: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level
Transport format: UDP
Port number: 44444

Data destination address 01.01.01.01

Coding:

BER-TLV

D0	42	81	03	01	40	01	82	02	81	82	35
07	02	03	04	03	04	1F	02	39	02	03	E8
47	0A	06	54	65	73	74	47	70	02	72	73
0D	80	F4	55	73	65	72	4C	6F	67	0D	80
F4	55	73	65	72	50	77	64	3C	03	01	AD
9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	03	E8							

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
1	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	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: UICC
Destination device: Channel 1

Channel Data

Channel Data: 00 01 .. 07 (8 Bytes of data)

Coding:

BER-TLV:	D0	13	81	03	01	43	01	82	02	81	21	B6	
	08	00	01	02	03	04	05	06	07				

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: ME
Destination device: UICC

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	82	81	83	01	00	
----------	----	----	----	----	----	----	----	----	----	----	----	----	--

B7	01	FF					

ENVELOPE: EVENT DOWNLOAD - Data available 1.1.1

Logically:

Event list

Event: Data available

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1 open, link established

Channel Data Length

Channel data length: 8 Bytes available in Rx buffer

Coding:

BER-TLV:	D6	0E	99	01	09	82	02	82	81	B8	02	81
	00	B7	01	08								

27.22.7.10.1.5 Test requirement

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

27.22.7.11 Channel Status event

27.22.7.11.1 Definition and applicability

See clause 3.2.2.

27.22.7.11.2 Conformance requirements

The ME shall support the class "e" commands as defined in:

- TS 31.111 [15].

Additionally the ME shall support ENVELOPE (EVENT DOWNLOAD - Channel Status).

27.22.7.11.3 Test purpose

To verify that the ME shall send an ENVELOPE (EVENT DOWNLOAD - Channel Status) to the UICC after the link dropped between the NETWORK and the ME.

27.22.7.11.4 Method of test

27.22.7.11.4.1 Initial conditions

The ME is connected to the USIM 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.

For MEs supporting BIP related to GPRS in UDP (i.e condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1 shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The following Bearer Parameters used are those defined in the default Test PDP context3, for test cases using packet services:

Bearer Parameters

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

GPRS Parameters

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

27.22.7.11.4.2 Procedure

Expected sequence 1.1 (EVENT DOWNLOAD - Channel Status on a link dropped)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP EVENT LIST 1.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[EVENT: channel status]
		EVENT LIST 1.1.1	
4	$ME \to UICC$	TERMINAL RESPONSE: SET UP	[command performed successfully]
		EVENT LIST 1.1.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING:	See initial conditions
		OPEN CHANNEL 1.1.1	
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
8	$ME \to USER$	The ME may display channel opening	
	1100	information	
9	$ME \rightarrow USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
40		CHANNEL 1.1.1B	
12	$USS \to ME$	Link dropped	
13	$ME \rightarrow UICC$	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: UICC

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: UICC

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: UICC Destination device: ME

Bearer

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000 Network access name: TestGp.rs

Text String: UserLog (User login)
Text String: UserPwd (User password)

UICC/ME interface transport level

Transport format: UDP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV

D0	42	81	03	01	40	01	82	02	81	82	35
07	02	03	04	03	04	1F	02	39	02	03	E8
47	0A	06	54	65	73	74	47	70	02	72	73
0D	80	F4	55	73	65	72	4C	6F	67	0D	80
F4	55	73	65	72	50	77	64	3C	03	01	AD
9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	03	04	1F
	02	39	02	03	E8							

TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS

Bearer parameter:

Precedence Class: 00
Delay Class: 04
Reliability Class: 03
Peak throughput class: 04
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1000

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
1	38	02	81	00	35	07	02	00	04	03	04	1F
	02	39	02	03	E8							

ENVELOPE: EVENT DOWNLOAD - Channel Status 1.1.1

Logically:

Event list

Event: Channel Status

Device identities

Source device: ME
Destination device: UICC

Channel status

Channel status: Channel 1, link dropped

Coding:

BER-TLV:	D6	0B	99	01	0A	82	02	82	81	B8	02	01
	05											

27.22.7.11.1.5 Test requirement

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

27.22.7.12 Access Technology Change event

TBD

27.22.7.13 Local Connection event

TBD

27.22.7.14 Network search mode change event

TBD

27.22.7.15 Browsing status event

TBD

27.22.8 MO SHORT MESSAGE CONTROL BY USIM

27.22.8.1 Definition and applicability

See clause 3.2.2.

27.22.8.2 Conformance requirement

The ME shall support the MO SEND SHORT MESSAGE CONTROL facility as defined in:

- TS 31.111 [15] clause 7.3.2.

The ME shall also support the SEND SMS facitily as specified in

- TS 31.111 [15] clause 6.4.10

27.22.8.3 Test purpose

To verify that for all SMS sending attempts, even those resulting from a SEND SHORT MESSAGE proactive UICC command, the ME shall first pass the RP_destination_address of the service center and the TP_Destination_Address to the UICC, using the ENVELOPE (MO Short Message CONTROL).

To verify that if the UICC responds with '90 00', the ME shall send the SMS with the address unchanged.

To verify that if the UICC responds with '93 00', the ME shall not send the SMS and may retry the command.

To verify that if the UICC returns response data, the ME shall use the response data appropriately to send the SM as proposed, not send the SM, or send the SM using the data supplied by the UICC.

To verify that, in the case where the initial SM request results from a proactive SEND SHORT MESSAGE, if the MO SMS CONTROL result is "not allowed" or "allowed with modifications", the ME shall inform the UICC using TERMINAL RESPONSE "interaction with call control by UICC or MO short message control by USIM, action not allowed".

27.22.8.4 Method of tests

27.22.8.4.1 Initial conditions

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

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

The MO SMS control service is available in the USIM Service Table.

The SMS service center address in the ME shall be set to '+112233445566778' prior to the execution of the tests.

The GERAN/UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Location Area Code (LAC) = 0001;
- Cell Identity value = 0001;

The PCS 1900 parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 011;
- Location Area Code (LAC) = 0001;

- Cell Identity value = 0001.

27.22.8.4.2 Procedure

Expected Sequence 1.1 (MO SM CONTROL BY USIM, with Proactive command, Allowed, no modification')

Step	Direction	Message / Action	Comments
1	UICC -> ME	PROACTIVE COMMAND PENDING: SEND	
		SHORT MESSAGE 1.1.1	
2	ME -> UICC	FETCH	
3	UICC -> ME	PROACTIVE COMMAND: SEND SHORT	
		MESSAGE 1.1.1	
4	ME -> USER	Display "Send SM"	[Alpha Identifier]
5	ME -> UICC	ENVELOPE: MO SHORT MESSAGE CONTROL	[Option A shall apply for GERAN/UTRAN
		1.1.1A	parameters]
		Or	[Option B shall apply for PCS1900
		ENVELOPE: MO SHORT MESSAGE CONTROL	parameters]
		1.1.1B	
6	UICC -> ME	MO SMS CONTROL RESULT 1.1.1	['Allowed, no modification']
7	ME -> USS	Send SMS-PP Message 1.1	[The ME sends the SM containing SMS-PP
			(SEND SHORT MESSAGE) Message 1.1
			without modification]
8	USS -> ME	SMS RP-ACK	
9	ME -> UICC	TERMINAL RESPONSE: SEND SHORT	
		MESSAGE 1.1.1	

PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
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 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:	D0	37	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	F4	0C	54	65	73
	74	20	4D	65	73	73	61	67	65			

SMS-PP (SEND SHORT MESSAGE) Message 1.1

Logically:

SMS RPDU

RP-Originator Address not used RP-Destination SMSC Address

TON International number

NPI "ISDN / telephone numbering plan"

Address value "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 TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

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:

Coding	00	09	91	11	22	33	44	55	66	77	F8	18
	01	01	09	91	10	32	54	76	F8	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

ENVELOPE MO SHORT MESSAGE CONTROL 1.1.1A

Logically:

Device identities

Source device: ME
Destination device: UICC

RP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string '112233445566778'

TP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string '012345678'

Location Information

MCC & MNC the mobile country and network code (00F110)

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

Extended Cell ID RNC-id value (for Rel-4 onwards), see also Note 3

Coding:

Coding	D5	Note 1	02	02	82	81	06	09	91	11	22
	33	44	55	66	77	F8	06	06	91	10	32
	54	76	F8	13	Note 2	00	F1	10	00	01	00
	01	Note 3									

Note 1: Length of BER-TLV is '20' plus the actual length of all the present optional SIMPLE-TLV data objects.

Note 2: Depending on the presence of the Extended Cell Identity Value the length is '07' or '09'

Note 3: The Extended Cell Identity Value is present in Rel-4 and onwards implementations, the values of the two bytes shall not be verified.

ENVELOPE MO SHORT MESSAGE CONTROL 1.1.1B

Logically:

Device identities

Source device: ME
Destination device: UICC

RP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string '112233445566778'

TP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string '012345678'

Location Information

MCC & MNC the mobile country and network code (001110)

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

Coding:

BER-TLV:	D5	20	02	02	82	81	06	09	91	11	22
	33	44	55	66	77	F8	06	06	91	10	32
	54	76	F8	13	07	00	11	10	00	01	00
	01										

MO SHORT MESSAGE CONTROL RESULT 1.1.1

Logically:

MO Short Message control result: '00' = Allowed, no modification

Coding:

BER-TLV:	00	00

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 1.2 (MO SM CONTROL BY USIM, with user SMS, Allowed, no modification')

Step	Direction	Message / Action	Comments
1	USER -> ME	The user makes a SMS with the user data 'Test	[The data entered and the ME settings
		Message' and sends it to +012345678.	shall lead to the same SMS-TPDU as defined in SMS-PP (SEND SHORT
			MESSAGE) Message 1.2.
2	ME -> UICC	ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1B	parameters]
3	UICC -> ME	MO SHORT MESSAGE CONTROL RESULT 1.1.1	['Allowed, no modification']
4	ME -> USS	Send SMS-PP Message 1.2	[The ME sends the SM containing SMS- PP (SEND SHORT MESSAGE) Message 1.2 without modification]
5	USS -> ME	SMS RP-ACK	•

SMS-PP (SEND SHORT MESSAGE) Message 1.2

Logically:

SMS RPDU

RP-Originator Address not used RP-Destination SMSC Address

TON International number

NPI "ISDN / telephone numbering plan"

Address value "112233445566778"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD value shall not be verified TP-VPF value shall not be verified TP-RP value shall not be verified TP-UDHI value shall not be verified TP-SRR value shall not be verified

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

Coding:

Coding	00	09	91	11	22	33	44	55	66	77	F8	Note 1
	Note 2	01	09	91	10	32	54	76	F8	Note 3		

NOTE 1: Octet shall not be verified

NOTE 2: Only the TP-MTI bits shall be verified

NOTE 3: The remaining octets shall not be verified

Expected Sequence 1.3 (MO SM CONTROL BY USIM, with Proactive command, Not allowed')

Step	Direction	Message / Action	Comments
1	UICC -> ME	PROACTIVE COMMAND PENDING: SEND SHORT	
		MESSAGE 1.1.1	
2	ME -> UICC	FETCH	
3	UICC -> ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1	
4	ME -> USER	Display "Send SM"	[Alpha Identifier]
5	ME -> UICC	ENVELOPE : MO SHORT MESSAGE CONTROL 1.1.1A	[Option A shall apply for
		or	GERAN/UTRAN parameters]
		ENVELOPE : MO SHORT MESSAGE CONTROL 1.1.1B	[Option B shall apply for
			PCS1900 parameters]
6	UICC -> ME	MO SHORT MESSAGE CONTROL RESULT 1.3.1	['not Allowed']
7	ME -> UICC	TERMINAL RESPONSE: SEND SHORT MESSAGE 1.3.1	[Permanent Problem - Interaction
			with Call Control or MO short
			message control by USIM]
8	ME→ USS	The ME does not send the Short Message	

MO SHORT MESSAGE CONTROL RESULT 1.3.1

Logically:

MO Short Message control result: '01' = Not Allowed

Coding:

BER-TLV:	01	00

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.3.1

Logically:

Command details

Command number: 01

Command Type: SEND SHORT MESSAGE Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Interaction with call control or MO-SM by USIM permanent problem

Additional information: Action not allowed

Coding:

BER-TLV:	81	03	01	13	00	82	02	82	81	83	02	39
	01											

Expected Sequence 1.4 (MO SM CONTROL BY USIM, with user SMS, Not allowed')

Step	Direction	Message / Action	Comments
1	USER -> ME	The user makes a SMS with the user data 'Test	[The data entered and the ME settings
		Message' and sends it to +012345678.	shall lead to the same SMS-TPDU as
			defined in SMS-PP (SEND SHORT
			MESSAGE) Message 1.2.
2	ME -> UICC	ENVELOPE : MO SHORT MESSAGE CONTROL	[Option A shall apply for GERAN/UTRAN
		1.1.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE : MO SHORT MESSAGE CONTROL	parameters]
		1.1.1B	
3	UICC -> ME	MO SM CONTROL RESULT 1.3.1	['Not allowed']
4	$ME \rightarrow USS$	The ME does not send the Short Message	

Expected Sequence 1.5 (MO SM CONTROL BY USIM, with Proactive command, Allowed with modifications')

Step	Direction	Message / Action	Comments
1	UICC -> ME	PROACTIVE COMMAND PENDING: SEND SHORT	
		MESSAGE 1.1.1	
2	ME -> UICC	FETCH	
3	UICC -> ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1	Send SMS to '+012345678'
4	ME -> USER	Display "Send SM"	[Alpha Identifier]
5	ME -> UICC	ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1B	[Option B shall apply for PCS1900 parameters]
6	UICC -> ME	MO SM CONTROL RESULT 1.5.1	['Allowed with modifications']
7	ME -> USS	Send SMS-PP Message 1.5	[The ME sends the SM containing SMS-PP (SEND SHORT MESSAGE) Message 1.5 with the data provided by the UICC to the changed Service Center Address '+112233445566779']
8	USS -> ME	SMS RP-ACK	
9	ME -> UICC	TERMINAL RESPONSE: SEND SHORT MESSAGE 1.5.1	

MO SHORT MESSAGE CONTROL RESULT 1.5.1

Logically:

MO Short Message control result : '02' = Allowed with modifications

RP Destination_Address of the Service Center TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string: '112233445566779'

TP Destination Address

TON: International

NPI: "ISDN / telephone numbering plan" or "unknown"

Dialling number string: '012345679'

Coding:

02	13	86	09	91	11	22	33	44	55	66
77	F9	86	06	91	10	32	54	76	F9	

SMS-PP (SEND SHORT MESSAGE) Message 1.5

Logically:

SMS RPDU

RP-Originator Address not used RP-Destination SMSC Address

TON International number

NPI "ISDN / telephone numbering plan"

Address value "112233445566779"

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 TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345679"

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:

Coding	00	09	91	11	22	33	44	55	66	77	F9	18
	01	01	09	91	10	32	54	76	F9	40	F4	0C
	54	65	73	74	20	4D	65	73	73	61	67	65

TERMINAL RESPONSE: SEND SHORT MESSAGE 1.5.1

Logically:

Command details

Command number: 01

Command Type: SEND SHORT MESSAGE Command qualifier: packing not required

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected Sequence 1.6 (MO SM CONTROL BY USIM, with user SMS, Allowed with modifications')

Step	Direction	Message / Action	Comments
1	USER -> ME	The user makes a SMS with the user data 'Test	[The data entered and the ME settings
		Message' and sends it to +012345678.	shall lead to the same SMS-TPDU as
			defined in SMS-PP (SEND SHORT
			MESSAGE) Message 1.2.
2	ME -> UICC	ENVELOPE: MO SHORT MESSAGE CONTROL	[Option A shall apply for GERAN/UTRAN parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE: MO SHORT MESSAGE CONTROL	parameters]
		1.1.1B	parameters
3	UICC -> ME	MO SM CONTROL RESULT 1.5.1	['Allowed with modifications']
4	ME-> USS	Send SMS-PP Message 1.6	The ME sends the SM containing SMS-
			PP (SEND SHORT MESSAGE) Message
			1. 6 with the data provided by the UICC to
			the changed Service Center Address
			'+112233445566779']
5	USS -> ME	SMS RP-ACK	_

SMS-PP (SEND SHORT MESSAGE) Message 1.6

Logically:

SMS RPDU

RP-Originator Address not used RP-Destination SMSC Address

TON International number

NPI "ISDN / telephone numbering plan"

Address value "112233445566779"

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD value shall not be verified TP-VPF value shall not be verified TP-RP value shall not be verified TP-UDHI value shall not be verified TP-SRR value shall not be verified

TP-MR "01"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345679"

Coding:

Coding	00	09	91	11	22	33	44	55	66	77	F9	Note 1
	Note 2	01	09	91	10	32	54	76	F9	Note 3		

NOTE 1: Octet shall not be verified.

NOTE 2: Only the TP-MTI bits shall be verified.

NOTE 3: The remaining octets shall not be verified.

Expected Sequence 1.7 (MO SM CONTROL BY USIM, with Proactive command, the USIM responds with '90 00', Allowed, no modification)

Step	Direction	Message / Action	Comments
1	UICC -> ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 1.1.1	
2	ME -> UICC	FETCH	
3	UICC -> ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 1.1.1	Send SMS to '+012345678'
4	ME -> USER	Display "Send SM"	[Alpha Identifier]
5	ME -> UICC	ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1A or ENVELOPE: MO SHORT MESSAGE CONTROL 1.1.1B	[Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters]
6	UICC -> ME	90 00	
7	ME ->USS	Send SMS-PP	[The ME sends the SM containing SMS- PP (SEND SHORT MESSAGE) Message 1.1 without modification]
8	USS -> ME	SMS RP-ACK	_
9	ME -> UICC	TERMINAL RESPONSE: SEND SHORT MESSAGE 1.1.1	

Expected Sequence 1.8 (MO SM CONTROL BY USIM, Send Short Message attempt by user, the USIM responds with '90 00', Allowed, no modification)

Step	Direction	Message / Action	Comments
1	User → ME	Message' and sends it to +012345678.	[The data entered and the ME settings shall lead to the same SMS-TPDU as defined in SMS-PP (SEND SHORT MESSAGE) Message 1.2.
2	ME → UICC	1.1.1 A or	[Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters]
3	$UICC \to ME$	90 00	
4	$ME \to USS$	Send SMS-PP	[The ME sends the SM containing SMS- PP (SEND SHORT MESSAGE) Message 1.2 without modification]
5	USS -> ME	SMS RP-ACK	

Expected Sequence 1.9void

27.22.8.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.9.

27.22.9 Handling of command number

27.22.9.1 Definition and applicability

See clause 3.2.2.

27.22.9.2 Conformance requirement

The ME shall support the facility as defined in ETSI TS 102 223 [16] clause 6.5.1, clause 6.8 and clause 8.6

27.22.9.3 Test purpose

To verify that the ME sends a Terminal Response with the Command number equivalent to the value in the corresponding proactive command.

27.22.9.4 Method of tests

27.22.9.4.1 Initial conditions

The ME is connected to the USIM 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 ME screen shall be in its normal stand-by display.

The ME shall support the DISPLAY TEXT command.

27.22.9.4.2 Procedure

Expected Sequence 1.1 (DISPLAY TEXT normal priority, Unpacked 8 bit data for Text String, successful)

See ETSI TS 102 384 [26] in subclause 27.22.9.4.2, Expected Sequence 1.1.

27.22.9.5 Test requirement

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

Annex A (normative): Details of Test-SIM (TestSIM)

The TestSIM shall be able to present the following data:

ANSWER TO RESET

Logically:

TS (Initial character): '3B'

T0 (Format character): '86' (Following interface characters: TD(1), number of historical characters: 6)

TD1: '00' (Following interface characters: none, Transfer protocol: T=0)

T1: 91
T2: 99
T3: 00
T4: 12
T5: C1
T6: 00

Coding:

Coding: 3B 86 00 91 99 00 12 C1 00

- 1. For a successful outcome of the command "Select MasterFile" the TestSIM shall send SW1/SW2 "9F 1B".
- 2. For a successful outcome of the command "Get Response with Length 1B" on the MasterFile the TestSIM shall respond:

RFU: '00 00'
Not allocated memory: '653 bytes'
File ID: Master File

Type of file: MF

RFU: 00 00 22 FF 01' Length of following data: 14 bytes'

File characteristics:

Clock Stop: Not allowed Min. frequency for GSM algorithm: 13/8 MHz

Technology identification: 3V Technology SIM

CHV1: disabled

DFs in current directory: 2
EFs in current directory: 8
Number of CHV and admin. Codes: 3
RFU byte 18: 00

CHV1 status:

False representations remaining: 3
RFU-bits 7-5: 000
Secret code: Initialized

Unlock CHV1 status:

False representations remaining: 10
RFU-bits 7-5: 000
Secret code: Initialized

CHV2 status:

False representations remaining: 3
RFU-bits 7-5: 000
Secret code: Initialized

Unlock CHV2 status:

False representations remaining: 10 RFU-bits 7-5: 000 Secret code: Initialized

RFU bytes 23: 00

Reserved for admin. management: 00 83 00 FF

Status Words

SW1 / SW2: Normal ending of command

Coding:

Coding	00	00	02	8D	3F	00	01	00	00	22	FF	01
	0E	9B	02	08	03	00	83	8A	83	8A	00	00
	83	00	FF	90	00							

1. For a successful outcome of the command "Select GSM" the TestSIM shall send SW1/SW2 "9F 1B".

2. For a successful outcome of the command "Select PLMN" the TestSIM shall send SW1/SW2 "9F 0F".

3. EF_{PLMN} Information:

RFU-Bytes 1-2: 00 00 File size: 102 bytes File ID: 6F30

Type of File: Elementary file

Byte 8

RFU: 00

Access Condition:

UPDATE: CHV1
READ/SEEK: CHV1
RFU-bits 4-1: 1111
INCREASE: NEVER
INVALIDATE: NEVER
REHABILITATE: NEVER

File Status:

Invalidation status: File not invalidated

Readable/updateable: Not readable/updatable when invalidated

RFU-bits 8-4, 2: 0000 0
Length of following data: 2 bytes
Structure: Transparent

Length of record: 00

The initial coding of the EF_{PLMN} shall be FF FF ... FF (logically: Empty).

Annex B (normative): Details of terminal profile support

Table E.1: TERMINAL PROFILE support

Item	Byte.bit	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
1	1.1	Profile Download	TS 31.111 §5.2	R99	М		PD_Pro_Dvnl
2	1.2	SMS-PP data download	TS 31.111 §5.2	R99	М		PD_SMS_PP
3	1.3	Cell Broadcast data download	TS 31.111 §5.2	R99	М		PD_CB
4	1.4	Menu selection	TS 31.111 §5.2	R99	М		PD_Menu_sel
5	1.5	Bit =1 if SMS-PP data	TS 31.111 §5.2	R99	М		PD_SMS_PP
		Download supported					
6	1.6	Timer expiration	TS 31.111 §5.	R99	M		PD_TExpir
7	1.7	Bit=1 if Call control supported	TS 31.111 §5.2.	R99	M		PD_CC
8	1.8	Bit=1 if Call control supported	TS 31.111 §5.2	R99	М		PD_CC
9	2.1	Command result	TS 31.111 §5.2	R99	М		PD_Cmd_Res
10	2.2	Call Control by USIM	TS 31.111 §5.2	R99	М		PD_CC
11	2.3	Bit=1 if Call control	TS 31.111 §5.2	R99	М		PD_CC
		supported					
12	2.4	MO short message control by USIM	TS 31.111 §5.2	R99	М		PD_MO_SMS_CC
13	2.5	Bit=1 if Call control supported	TS 31.111 §5.2	R99	М		PD_CC
14	2.6	UCS2 Entry supported	TS 31.111 §5.2	R99	C203		PD_UCS2_entry
15	2.7	UCS2 Display supported	TS 31.111 §5.2	R99	C204		PD_UCS2_Display
16	2.8	Bit=1 if Display Text supported	TS 31.111 §5.2	R99	М		PD_Display_Text
17	3.1	DISPLAY TEXT	TS 31.111 §5.2	R99	М		PD_Display_Text
18	3.2	GET INKEY	TS 31.111 §5.2	R99	М		PD_Get_Inkey
19	3.3	GET INPUT	TS 31.111 §5.2	R99	М		PD_Get_Input
20	3.4	MORE TIME	TS 31.111 §5.2	R99	М		PD_More_Time
21	3.5	PLAY TONE	TS 31.111 §5.2 TS 11.14, 5	R99	М		PD_Play_Tone
22	3.6	POLL INTERVAL	TS 31.111 §5.2 TS 11.14, 5	R99	М		PD_Poll_interval
23	3.7	POLLING OFF	TS 31.111 §5.2	R99	M		PD_Polling_Off
24	3.8	REFRESH	TS 31.111 §5.2	R99	М		PD_Refresh
25	4.1	SELECT ITEM	TS 31.111 §5.2	R99	М		PD_Select_Item
26	4.2	SEND SHORT MESSAGE	TS 31.111 §5.2	R99	M		PD_Send_SMS
27	4.3	SEND SS	TS 31.111 §5.2	R99	M		PD_Send_SS
28	4.4	SEND USSD	TS 31.111 §5.2	R99	M		PD_Send_USSD
29	4.5	SET UP CALL	TS 31.111 §5.2	R99	M		PD_SetUp_Call
30	4.6	SET UP MENU	TS 31.111 §5.2	R99	M		PD_SetUp_Menu
31	4.7	PROVIDE LOCAL INFORMATION (LOCI & IMEI)	TS 31.111 §5.2	R99	M		PD_Provide_Local
32	4.8	PROVIDE LOCAL INFORMATION (NMR)	TS 31.111 §5.2	R99	М		PD_Provide_Local_N MR
33	5.1	SET UP EVENT LIST	TS 31.111 §5.2	R99	М		PD_Setup_Evt_List
34	5.2	Event: MT call	TS 31.111 §5.2	R99	М		PD_MT_Call
35	5.3	Event: Call connected	TS 31.111 §5.2	R99	М		PD_Call_Conn
36	5.4	Event: Call disconnected	TS 31.111 §5.2	R99	М		PD_Call_Disc
37	5.5	Event: Location status	TS 31.111 §5.2	R99	М		PD_Loc_Status
38	5.6	Event: User activity	TS 31.111 §5.2	R99	М		PD_User_Act
39	5.7	Event: Idle screen available	TS 31.111 §5.2	R99	М		PD_Idle_Scr_Avail
40	5.8	Event: Card reader status	TS 31.111 §5.2	R99	C206		PD_Evt_Rdr_Status
41	6.1	Event: Language selection	TS 31.111 §5.2	R99	М		PD_Lang_Select

Item	Byte.bit	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
42	6.2	Event: Browser	TS 31.111 §5.2	R99	C212		PD_Browser_Term
		Termination	-				
43	6.3	Event: Data available	TS 31.111 §5.2	R99	C223		PD_Data_Avail
44	6.4	Event: Channel status	TS 31.111 §5.2	R99	C223		PD_Evt_Ch_Status
45	6.5	Event:Access Technology Change	TS 31.111 §5.2	Rel-4	M		PD_Evt_ATC
46	6.6	Event: Display Parameters Changed	TS 31.111 §5.2	Rel-4	C218		PD_Disp_Resiz
47	6.7	Event: Local Connection	TS 31.111 §5.2	Rel-4	М		PD_Evt_LC
48	6.8	Event: Network Search Mode Change	TS 31.111 §5.2	Rel-6	M		PD_Evt_NSMC
49	7.1	POWER ON CARD	TS 31.111 §5.2	R99	C206		PD_C_On
50	7.2	POWER OFF CARD	TS 31.111 §5.2	R99	C206		PD_C_Off
51	7.3	PERFORM CARD APDU	TS 31.111 §5.2	R99	C206		PD_C_APDU
52	7.4	GET READER STATUS (Card reader status)	TS 31.111 §5.2	R99	C206		PD_Get_Rdr_Status
53	7.5	GET READER STATUS (Card reader identifier)	TS 31.111 §5.2	R99	C208		PD_Get_Rdr_Id
54	7.6	RFU	TS 31.111 §5.2	R99	X		PD_RFU_54
55	7.7	RFU	TS 31.111 §5.2	R99	X		PD_RFU_55
56	7.8	RFU CEMENT	TS 31.111 §5.2	R99	X		PD_RFU_56
57	8.1	TIMER MANAGEMENT (start, stop)	TS 31.111 §5.2	R99	M		PD_Timer_Mgt_Start _Stop
58	8.2	TIMER MANAGEMENT (get current value)	TS 31.111 §5.2	R99	M		PD_Timer_Val
59	8.3	PROVIDE LOCAL INFORMATION (date, time and time zone)	TS 31.111 §5.2	R99	M		PD_Provide_Local_D _Time
60	8.4	Bit=1 if Get Inkey	TS 31.111 §5.2	R99	М		PD_Get_Inkey
61	8.5	SET UP IDLE MODE TEXT	TS 31.111 §5.2	R99	M		PD_Stup_Id_Mod_Tx t
62	8.6	RUN AT COMMAND (i.e. class "b" is supported)	TS 31.111 §5.2	R99	C209		PD_Run_AT
63	8.7	Bit=1 if Set UpCall	TS 31.111 §5.2	R99	М		PD_SetUp_Call
64	8.8	Bit=1 if Call Control	TS 31.111 §5.2	R99	М		PD_CC
65	9.1	Bit=1 if Display Text	TS 31.111 §5.2	R99	М		PD_Display_Text
66	9.2	SEND DTMF command	TS 31.111 §5.2	R99	М		PD_Send_DTMF
67	9.3	Bit = 1 if Provide Local Information (NMR) supported	TS 31.111 §5.2	R99	M		PD_Provide_Local
68	9.4	PROVIDE LOCAL INFORMATION (language)	TS 31.111 §5.2	R99	M		PD_Provide_Local_L S
69	9.5	PROVIDE LOCAL INFORMATION (Timing Advance)	TS 31.111 §5.2	R99	M		PD_Provide_Local_T A
70	9.6	LANGUAGE NOTIFICATION	TS 31.111 §5.2	R99	M		PD_Lang_Notif
71	9.7	LAUNCH BROWSER	TS 31.111 §5.2	R99	C212		PD_Launch_Brws
72	9.8	PROVIDE LOCAL INFORMATION (Access Technology)	TS 31.111 §5.2	Rel-4	M		PD_Provide_Local_A T
73	10.1	Soft keys support for SELECT ITEM	TS 31.111 §5.2	R99	C213		PD_Softkey_Select_I tem
74	10.2	Soft Keys support for SET UP MENU	TS 31.111 §5.2	R99	C213		PD_Softkey_SetUp _Menu
75	10.3	RFU	TS 31.111 §5.2	R99	Χ		PD_RFU_75
76	10.4	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_76
77	10.5	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_77
78	10.6	RFU	TS 31.111 §5.2	R99	X		PD_RFU_78
79	10.7	RFU	TS 31.111 §5.2	R99	X		PD_RFU_79
80	10.8	RFU	TS 31.111 §5.2	R99	X		PD_RFU_80
81	11.1	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey

Item	Byte.bit	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
82	11.2	Maximum number of soft	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
02		keys available ('FF' = RFU)	_				•
83	11.3	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214	F	PD_Max_SoftKey
84	11.4	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214	F	PD_Max_SoftKey
85	11.5	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214	F	PD_Max_SoftKey
86	11.6	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214	F	PD_Max_SoftKey
87	11.7	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214	F	PD_Max_SoftKey
88	11.8	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214	F	PD_Max_SoftKey
89	12.1	OPEN CHANNEL	TS 31.111 §5.2	R99	C223	F	PD_Open_Ch
90	12.2	CLOSE CHANNEL	TS 31.111 §5.2	R99	C223		PD_Close_Ch
91	12.3	RECEIVE DATA	TS 31.111 §5.2	R99	C223		PD_Rx_Data
92	12.4	SEND DATA	TS 31.111 §5.2	R99	C223		PD Send Data
93	12.5	GET CHANNEL STATUS	TS 31.111 §5.2	R99	C223		PD_Get_Ch_Status
94	12.6	SERVICE SEARCH	TS 31.111 §5.2	Rel-4	C224		PD_Serv_Search
95	12.7	GET SERVICE INFORMATION	TS 31.111 §5.2	Rel-4	C224	F	PD_Get_Serv_Info
96	12.8	DECLARE SERVICE	TS 31.111 §5.2	Rel-4	C224	F	PD_Declare_Serv
97	13.1	CSD supported by ME	TS 31.111 §5.2	R99	C207		PD_CSD
98	13.2	GPRS supported by ME	TS 31.111 §5.2	R99	C222		PD_GPRS
99	13.3	Bluetooth supported by terminal	TS 31.111 §5.2	Rel-4	C225	F	PD_BT
100	13.4	IrDA Supported by terminal	TS 31.111 §5.2	Rel-4	C226	F	PD_IrDA
101	13.5	RS232 Supported by terminal	TS 31.111 §5.2	Rel-4	C227	F	PD_RS232
102	13.6	Number of channels supported by ME	TS 31.111 §5.2	R99	C257	F	PD_Nb_Channel
103	13.7	Number of channels supported by ME	TS 31.111 §5.2	R99	C257	F	PD_Nb_Channel
104	13.8	Number of channels supported by ME	TS 31.111 §5.2	R99	C257		PD_Nb_Channel
105	14.1	Number of characters supported down the ME	TS 31.111 §5.2	R99	C217		PD_Nb_Char
106	14.2	Number of characters supported down the ME	TS 31.111 §5.2	R99	C217		PD_Nb_Char
107	14.3	Number of characters supported down the ME	TS 31.111 §5.2	R99	C217		PD_Nb_Char
108	14.4	Number of characters supported down the ME	TS 31.111 §5.2	R99	C217		PD_Nb_Char
109	14.5	Number of characters supported down the ME	TS 31.111 §5.2	R99	C217		PD_Nb_Char
110	14.6	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_110
111	14.7	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_111
112	14.8	Screen Sizing Parameters	TS 31.111 §5.2	R99	C216		PD_Screen_Siz
113	15.1	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C217	F	PD_Nb_Char_Disp
114	15.2	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C217	F	PD_Nb_Char_Disp
115	15.3	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C217	F	PD_Nb_Char_Disp
116	15.4	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C217	F	PD_Nb_Char_Disp
117	15.5	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C217	F	PD_Nb_Char_Disp

Item	Byte.bit		Ref.	Release	Status Suppor	
118	15.6	Number of characters	TS 31.111 §5.2	R99	C217	PD_Nb_Char_Disp
		supported across the ME display				
119	15.7	Number of characters	TS 31.111 §5.2	R99	C217	PD_Nb_Char_Disp
		supported across the ME				
400	45.0	display	TC 24 444 SE 2	DOO	0047	DD Vor Fort
120	15.8	Variable size fonts Supported	TS 31.111 §5.2	R99	C217	PD_Var_Font
121	16.1	Display can be resized	TS 31.111 §5.2	R99	C218	PD_Disp_Resiz
122	16.2	Text Wrapping supported	TS 31.111 §5.2	R99	C218	PD_Txt_Wrap
123	16.3	Text Scrolling supported	TS 31.111 §5.2	R99	C218	PD_Txt_Scroll
124	16.4	Text attributes supported	TS 31.111 §5.2	Rel-5	C228	PD_Text_Attrib
125 126	16.5 16.6	RFU Width reduction when in a	TS 11.14, 5 TS 31.111 §5.2	R96 R99	X C217	PD_RFU_125 PD_Width_Reduc
120	10.0	menu	13 31.111 95.2	K99	G217	PD_Widin_Reduc
127	16.7	Width reduction when in a menu	TS 31.111 §5.2	R99	C217	PD_Width_Reduc
128	16.8	Width reduction when in a menu	TS 31.111 §5.2	R99	C217	PD_Width_Reduc
129	17.1	TCP	TS 31.111 §5.2	R99	C220	PD_TCP
130	17.2	UDP	TS 31.111 §5.2	R99	C221	PD_UDP
131	17.3	RFU	TS 31.111 §5.2	R99	X	PD_RFU_131
132	17.4	RFU	TS 31.111 §5.2	R99	X	PD_RFU_132
133	17.5	RFU RFU	TS 31.111 §5.2	R99 R99	X	PD_RFU_133 PD_RFU_134
134 135	17.6 17.7	RFU	TS 31.111 §5.2 TS 31.111 §5.2	R99	X	PD_RFU_135
136	17.8	HSDPA supported by ME	TS 31.111 §5.2	Rel-6	C258	PD_HSDPA
137	18.1	DISPLAY TEXT (Variable time out)	TS 31.111 §5.2	Rel-4	C229	
138	18.2	GET INKEY (help is supported while waiting for immediate response or	TS 31.111 §5.2	Rel-4	C231	
		variable time out)				
139	18.3	USB supported by ME	TS 31.111 §5.2	Rel-4	C232	
140	18.4	GET INKEY (Variable time out)	TS 31.111 §5.2	Rel-4	C229	
141	18.5	PROVIDE LOCAL INFORMATION (ESN)	See 3GPP2	R99	X	Reserved
142	18.6	CALL CONTROL on GPRS	TS 31.111 §5.2	Rel-5	C242	PD_CC_GPRS
143	18.7	PROVIDE LOCAL INFORMATION (IMEISV)	TS 31.111 §5.2	Rel-6	М	PD_Provide_Local_S V
144	18.8	PROVIDE LOCAL INFORMATION (search mode change)	TS 31.111 §5.2	Rel-6	М	PD_Provide_Local_S MC
145	19.1	Protocol Version	TS 31.111 §5.2	R99	Х	Reserved
146	19.2	Protocol Version	TS 31.111 §5.2	R99	X	Reserved
147	19.3	Protocol Version	TS 31.111 §5.2	R99	X	Reserved
148	19.4	Protocol Version	TS 31.111 §5.2	R99	X	Reserved
149 150	19.5 19.6	RFU RFU	TS 31.111 §5.2 TS 31.111 §5.2	R99 R99	X	PD_RFU_149 PD_RFU_150
151	19.6	RFU	TS 31.111 §5.2	R99	X	PD_RFU_151
152	19.8	RFU	TS 31.111 §5.2	R99	X	PD_RFU_152
153	20.1	Reserved by TIA/EIA/IS- 820 [25]	TS 31.111 §5.2	R99	X	Reserved
154	20.2	Reserved by TIA/EIA/IS- 820 [25]	TS 31.111 §5.2	R99	Х	Reserved
155	20.3	Reserved by TIA/EIA/IS- 820 [25]	TS 31.111 §5.2	R99	Х	Reserved
156	20.4	Reserved by TIA/EIA/IS- 820 [25]	TS 31.111 §5.2	R99	Х	Reserved
157	20.5	Reserved by TIA/EIA/IS- 820 [25]	TS 31.111 §5.2	R99	Х	Reserved

Item	Byte.bit	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
158	20.6	Reserved by TIA/EIA/IS-	TS 31.111 §5.2	R99	Х		Reserved
159	20.7	820 [25] Reserved by TIA/EIA/IS-	TS 31.111 §5.2	R99	X		Reserved
160	20.8	820 [25] Reserved by TIA/EIA/IS-	TS 31.111 §5.2	R99	X		Reserved
		820 [25]					
161	21.1	WML browser supported	TS 31.111 §5.2	Rel-6	C233		PD_WML
162	21.2		TS 31.111 §5.2	Rel-6	C234		PD_XHTML
163	21.3	HTML browser supported	TS 31.111 §5.2	Rel-6	C235		PD_HTML
164	21.4	CHTML browser supported	TS 31.111 §5.2	Rel-6	C236		PD_CHTML
165	21.5	RFU	TS 31.111 §5.2	R99	X		PD_RFU_165_
166	21.6	RFU	TS 31.111 §5.2	R99	X		PD_RFU_166
167	21.7	RFU	TS 31.111 §5.2	R99	X		PD_RFU_167
168	21.8	RFU	TS 31.111 §5.2	R99	X		PD_RFU_168
169	22.1	Support of UTRAN PS with extended parameters	TS 31.111 §5.2	Rel-6	C259		PD_UTRAN_PS_Ext _Param
170	22.2	PROVIDE LOCAL INFORMATION (Battery state) if class 'g' supported	TS 31.111 §5.2	Rel-6	C239		PD_Provide_Local_B att
171	22.3	PLAY TONE (Melody tones & themed tones supported)	TS 31.111 §5.2	Rel-6	C241		PD_Tones
172	22.4	Multi-media in SET UP CALL supported (if class 'h' supported)	TS 31.111 §5.2	Rel-6	C240		PD_Xmedia_Call
173	22.5	MMS Management (class 'j' supported)	TS 31.111 §5.2	Rel-6	C238		PD_MMS
174	22.6	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_174
175	22.7	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_175
176	22.8	RFU	TS 31.111 §5.2	R99	X		PD_RFU_176
177	23.1	SET FRAMES supported (if class 'i' supported)	TS 31.111 §5.2	Rel-6	C237		PD_Set_Frames
178	23.2	GET FRAMES STATUS supported (if class 'i' supported)	TS 31.111 §5.2	Rel-6	C237		PD_Get_Frames_Sta t
179	23.3	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_179
180		RFU	TS 31.111 §5.2	R99	Х		PD_RFU_180
181	23.5	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_181
182	23.6	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_182
183	23.7	PROVIDE LOCAL INFORMATION (UTRAN NMR)	TS 31.111 §5.2	Rel-6	М		PD_Provide_Local_N MR
184	23.8	USSD Data Download and application mode	TS 31.111 §5.2	Rel-6	М		PD_USSD_DD
185	24.1	Maximum number of frames supported (if class 'i' supported)	TS 31.111 §5.2	Rel-6	C256		PD_Max_Frames
186	24.2	Maximum number of frames supported (if class 'i' supported)	TS 31.111 §5.2	Rel-6	C256		PD_Max_Frames
187	24.3	Maximum number of frames supported (if class 'i' supported)	TS 31.111 §5.2	Rel-6	C256		PD_Max_Frames
188	24.4	Maximum number of frames supported (if class i' supported)	TS 31.111 §5.2	Rel-6	C256		PD_Max_Frames
189	24.5	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_189
190	24.6	RFU	TS 31.111 §5.2	R99	Χ		PD_RFU_190
191	24.7	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_191
192	24.8	RFU	TS 31.111 §5.2	R99	X		PD_RFU_192
193	25.1	Event: browsing status	TS 31.111 §5.2	Rel-6	М		PD_Browser_Stat
194	25.2	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_194
195	25.3	Event Frame parameters changed (if class 'i' supported)	TS 31.111 §5.2	Rel-6	C237		PD_Event_Frames

Item	Byte.bit	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
196	25.4	RFU	TS 31.111 §5.2	R99	Χ		PD_RFU_196
197		RFU	TS 31.111 §5.2	R99	Х		PD_RFU_197
198	25.6	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_198
199	25.7	RFU	TS 31.111 §5.2	R99	X		PD_RFU_199
200	25.8	RFU	TS 31.111 §5.2	R99	X		PD_RFU_200
201	26.1	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_201
202	26.2	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_202
203	26.3	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_203
204	26.4	RFU	TS 31.111 §5.2	Rel-6	X		PD RFU 204
205	26.5	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_205
206	26.6	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_206
207	26.7	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_207
208	26.8	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_208
	27.1	RFU			X		
209			TS 31.111 §5.2	Rel-6			PD_RFU_209
210	27.2	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_210
211	27.3	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_211
212	27.4	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_212
213	27.5	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_213
214	27.6	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_214
215	27.7	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_215
216	27.8	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_216
217	28.1	Alignment left supported	TS 31.111 §5.2	Rel-5	C243		PD_Text_Attrib_Left
218	28.2	Alignment center	TS 31.111 §5.2	Rel-5	C244		PD_Text_Attrib_Cent
		supported			00.1-		er
219	28.3	Alignment right supported	TS 31.111 §5.2	Rel-5	C245		PD_Text_Attrib_Righ
220	28.4	Font size normal supported	TS 31 111 85 2	Rel-5	C246		PD_Text_Attrib_Nor
220	20.1	Tont dizo nomiai dapportoa	70 01.111 30.2	11010	0210		mal
221	28.5	Font size large supported	TS 31.111 §5.2	Rel-5	C247		PD_Text_Attrib_Larg
							е
222	28.6	Font size small supported	TS 31.111 §5.2	Rel-5	C248		PD_Text_Attrib_Smal
223	28.7	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_223
224	28.8	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_224
225	29.1	Style normal supported	TS 31.111 §5.2	Rel-5	C249		PD_Text_Attrib_Styl_
							Norm
226	29.2	Style bold supported	TS 31.111 §5.2	Rel-5	C250		PD_Text_Attrib_Styl_
					_		Bold
227	29.3	Style italic supported	TS 31.111 §5.2	Rel-5	C251		PD_Text_Attrib_Styl_
							Italic
228	29.4	Style underlined supported	TS 31.111 §5.2	Rel-5	C252		PD_Text_Attrib_Styl_
000	05 -		TO 04 44: 07 5	<u> </u>	00-0		Underl
229	29.5	Style strikethrough	TS 31.111 §5.2	Rel-5	C253		PD_Text_Attrib_Styl_
000	00.0	supported	TO 04 44: 07 5	5 · -	00-1		Strik
230	29.6	Style text foreground	TS 31.111 §5.2	Rel-5	C254		PD_Text_Attrib_Styl_
00.1	00.7	colour supported	TO 04 444 07 0	D : -	0055		Text_Fore
231	29.7	Style text background	TS 31.111 §5.2	Rel-5	C255		PD_Text_Attrib_Styl_
222	20.0	colour supported	TC 24 444 SE 2	Dalic	V		Text_Back
232	29.8	RFU	TS 31.111 §5.2	Rel-6	Χ		PD_RFU_224

C201	[void]	[void]
C202	[void]	[void]

C203 C204 C205 C206 C207 C208 C209 C210 C211 C212	IF A.1/3 THEN M IF A.1/15 THEN M [void] IF A.1/7 THEN M IF A.1/12 THEN M IF (A.1/7 AND A.1/8) THEN M IF A.1/9 THEN M [void] [void] IF A.1/10 THEN M IF A.1/11 THEN M for at least one of the bits 1 - 2 of byte 10	•
C214	IF C213 THEN M for at least one, but not for all of the bits 1 - 8 of byte 11	O_Softkey (parameters)
C215 C216 C217 C218 C219 C220 C221 C222 C223	Void IF A.1/13 THEN M IF C216 THEN bit values "0" / "1" allowed IF A.1/14 THEN M IF C218 THEN bit values "0" / "1" allowed IF A.1/18 THEN M IF A.1/17 THEN M IF A.1/21 THEN M IF (C207 OR C222 OR C224) THEN M	Void O_Scr_Siz O_Scr_Siz (parameters) O_Scr_Resiz O_Scr_Resiz (parameters) O_TCP O_UDP O_BIP_GPRS O_BIP_CSD OR O_BIP_GPRS OR (O_BIP_Local AND (BIP_BT OR BIP_IrDA OR BIP_RS232 OR
C224	IF (A1.26 AND (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30)) THEN M	BIP_USB)) O_BIP_Local AND (BIP_BT OR BIP_IrDA OR BIP_RS232 OR
C225 C226 C227 C228	IF (A.1/26 AND A1.27) THEN M IF (A.1/26 AND A1.28) THEN M IF (A.1/26 AND A1.29) THEN M IF (A1./50 OR A.1/51 OR A.1/52 OR A.1/53 OR A.1/54 OR A.1/55 OR A.1/56 OR A.1/57 OR A.1/58 OR A.1/59 OR A.1/60 OR A.1/61 OR A.1/62) THEN M	BIP_USB)) O_BIP_Local AND O_BIP_BT O_BIP_Local AND O_BIP_IrDA O_BIP_Local AND O_BIP_RS232 O_TAT_AL OR O_TAT_AC OR O_TAT_AR OR O_TAT_FSN OR O_TAT_FSL OR O_TAT_FSS OR O_TAT_SN OR O_TAT_SB OR O_TAT_SI OR O_TAT_SU OR O_TAT_SS OR O_TAT_STFC OR
C229 C230 C231	IF A.1/24 THEN M IF A.1/23 THEN M IF (C229 OR C230) AND A1.5 THEN M	O_TAT_STFB O_Duration O_Imm_Resp O_Help_AND (O_Duration OR
C232 C233 C234 C235 C236 C237 C238 C239 C240 C241 C242 C243 C244 C245 C244 C245 C246 C247 C248 C249 C250 C251 C252 C253 C254 C255 C256 C257	IF (A.1/26 AND A.1/30) THEN M IF A.1/31 THEN M IF A.1/32 THEN M IF A.1/33 THEN M IF A.1/34 THEN M IF A.1/37 THEN M IF A.1/35 THEN M IF A.1/36 THEN M IF A.1/36 THEN M IF A.1/29 THEN M IF A.1/50 THEN M IF A.1/51 THEN M IF A.1/51 THEN M IF A.1/52 THEN M IF A.1/53 THEN M IF A.1/54 THEN M IF A.1/55 THEN M IF A.1/55 THEN M IF A.1/55 THEN M IF A.1/56 THEN M IF A.1/57 THEN M IF A.1/57 THEN M IF A.1/57 THEN M IF A.1/58 THEN M IF A.1/60 THEN M IF A.1/61 THEN M IF A.1/62 THEN M IF A.1/62 THEN M IF C237 THEN M for at least one of the bits 1 - 4 of byte 24 IF (C207 OR C222 OR C224) THEN M for at least one of the bits 6 - 8 of byte 13	O_Imm_Resp) O_BIP_Local AND O_USB O_WML O_XHTML O_HTML O_CHTML O_Frames O_MMS O_Batt O_Xmedia Call O_Tones O_CC_GPRS O_TAT_AL O_TAT_AL O_TAT_FSN O_TAT_FSN O_TAT_FSS O_TAT_SS O_TAT_SB O_TAT_SI O_TAT_SI O_TAT_SS O_TAT_SS O_TAT_STFC OR O_TAT_STFB O_Frames O_BIP_CSD OR O_BIP_GPRS OR (O_BIP_Local AND (BIP_BT OR BIP_USB))

Annex C (informative): Change history

CP-doc	CR	REV Meeting	SUBJECT	CAT	NEW_VERS
TP-050016		- 2.0.0	Approved TP-27, March 2005	0,11	6.0.0
CP-050144		- CT-28	Correction of coding in MT Call Event	F	6.1.0
CP-050144		- CT-28	Correction of applicability table	F	6.1.0
CP-050144		- CT-28	Essential Corrections	F	6.1.0
CP-050144		- CT-28	Correction of coding in MT Call Event	F	6.1.0
CP-050144		- CT-28	Removal of GET RESPONSE references	F	6.1.0
CP-050447		- CT-29		F	6.2.0
CP-050447		- CT-29	Rel-6: Correction of release dependent EF values Correction of applicability and terminal profile support tables	F F	6.2.0
CP-050447		- CT-29	Correction of EF_BDN coding	F	6.2.0
CP-050447		- CT-29	Incorrect Dialling Number string in clause 27.22.4.13.1 SEQ 1.9 for PCS	F	6.2.0
			1900	Г	
CP-050447		- CT-29	Essential corrections in display icons Setup Menu and Select Item	f	6.2.0
CP-050447		- CT-29	Incorrect Ti Flag value for SET UP 1.4.1 in clause 27.22.4.16.1	F	6.2.0
CP-050447	0012	- CT-29	Correction of TP-MR (TP Message Reference) of the SMS SUBMIT TPDU submitted to the USS (Network)	F	6.2.0
CP-050447	0013	- CT-29	Corrections in the Logical description and BER encoding in clause 27.22.6.2 and 27.22.4.11	F	6.2.0
CP-050447	0014	- CT-29	Incorrect DCS in SMS-CB data download tests	F	6.2.0
CP-050447		- CT-29	Essential Corrections in clause 27.22.8 MO SHORT MESSAGE	F	6.2.0
01 -030447	0013	01-29	CONTROL BY USIM	I	0.2.0
CP-050447	0016	- CT-29	Introduction of BDN tests for terminals not supporting BDN	В	6.2.0
CP-050447		- CT-29	Essential Corrections	F	6.2.0
CP-050447		- CT-29	Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1	F	6.2.0
CP-050447		- CT-29	Missing interactions in Bearer Independent Protocol test cases	F	6.2.0
CP-050447		- CT-29	Correction of Refresh tests	F	6.2.0
CP-050447		- CT-29	Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN	F	6.2.0
CP-050447		- CT-29	Essential correction to Terminal Profile table E.1	F	6.2.0
CP-050447		- CT-29	Correction of CB message identifier	F	6.2.0
CP-050447		- CT-29	Rel-6: Addition of new UCS2 Tests	В	6.2.0
CP-050447		- CT-29	Incorrect Coding of SMS-PP (Data download) Message in clause	F	6.2.0
01 -030447	0021	01-29	27.22.4.7.1 and 27.22.5.1	'	
-	-		2005-10: Editorial corrections due to the CRs approved at CP-29	-	6.2.1
CP-050495		- CT-30	Correction of Send SS (UCS2) tests	F	6.3.0
CP-050495		- CT-30	Essential Corrections in clause 27.22.4.11	F	6.3.0
CP-050495	0030	- CT-30	Corrections to Select Item (icons support)	F	6.3.0
CP-050495		- CT-30	27.22.7.4.1 Location Status Event (normal)	F	6.3.0
CP-050495	0032	- CT-30	Essential Corrections of Set Up Menu test	F	6.3.0
CP-050495	0033	- CT-30	Correction of applicability table and related addition of missing test sequences	F	6.3.0
CP-050495	0034	- CT-30	Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1	F	6.3.0
CP-050495		- CT-30	Essential Corrections of SMS-PP download message in Refresh test	F	6.3.0
			case		
CP-050495		- CT-30	Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of sequence 1.9	F	6.3.0
CP-050495	0037	- CT-30	Deletion of SEQ 1.3 in clause 27.22.4.13.1	F	6.3.0
CP-060013	0041	- CT-31	Deletion of Send Data test sequence	F	6.4.0
CP-060013		- CT-31	Essential correction of Provide Local Information (IMEI) test	F	6.4.0
CP-060013		- CT-31	Essential Correction in SEQ 1.8 of clause 27.22.8	F	6.4.0
CP-060013		- CT-31	Essential correction on 27.22.7.3.1 Call Disconnected Event	F	6.4.0
CP-060013		- CT-31	Essential correction of Channel Data length in clause 27.22.4.30	F	6.4.0
CP-060014		- CT-31	Essential Corrections in clause 27.22.4.11	F	6.4.0
CP-060014		- CT-31	Essential Corrections in clause 27.22.8 MO SHORT MESSAGE CONTROL BY SIM	F	6.4.0
CP-060014	0049	- CT-31	Essential correction in SEQ 1.4 of clause 27.22.4.11.1 SEND SS	F	6.4.0
00.000	00:=	07.	(normal)	_	0.46
CP-060014		- CT-31	Essential corrections of Run AT Command tests	F	6.4.0
CP-060014		- CT-31	Essential corrections to SET UP CALL test sequences	F	6.4.0
CP-060015	0055	- CT-31	Essential Correction in TERMINAL RESPONSE coding of clause 27.22.4.31	F	6.4.0
CP-060015	0056	- CT-31	Essential corrections to Timer Expiration tests	F	6.4.0
CP-060015		- CT-31	BER-TLV suppressions	F	6.4.0
CP-060157		- CT-31	Add SMS PP Data Download RP-ERROR Test Case	В	6.4.0
CP-060022		- CT-31	Essential Correction in SEQ 1.7 of clause 27.22.4.13.1	F	6.4.0
CP-060022		- CT-31	Essential correction of Refresh test	F	6.4.0
CP-060022		- CT-31	Essential correction of Channel Data length in Result TLV of clause	F	6.4.0
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CP-doc	CR	REV	Meeting	SUBJECT	CAT	NEW_VERS
				27.22.4.30		
CP-060022	0060	-	CT-31	CR 31.124 Rel-6: Insertion of missing REFRESH (IMSI changing procedure) test cases	F	6.4.0
CP-060022	0057	-	CT-31	Essential corrections of references	F	6.4.0
CP-060241	-	-	CT-32	Proposal to the TS 31.124 Split by referencing the relevant USAT Test procedures to TS 102 384		6.5.0
CP-060241	0062	-	CT-32	Essential corrections on test cases 27.22.6.3 and 27.22.6.4 using record 2 in EF FDN		6.5.0
CP-060241	0063	_	CT-32	Essential corrections on TC 27.22.6.4 sequence 4.1		6.5.0
CP-060241		_	CT-32	Essential corrections on SEND SHORT MESSAGE test cases		6.5.0
CP-060241		_	CT-32	Essential correction of text attributes tests		6.5.0
CP-060241		-	CT-32	Definition of appropriate QoS in BIP test cases related to GPRS for 3G		6.5.0
CP-060241		-	CT-32	Essential correction of Refresh test in 27.22.7.4.2, seq. 2.4		6.5.0
CP-060241		-	CT-32	Essential corrections of RUN AT Command tests		6.5.0
CP-060241		-	CT-32	Essential correction of tables B.1 and E.1		6.5.0
CP-060242	0068	-	CT-32	Essential Correction in REGISTER 1.2B message coding of clause 27.22.4.11.1 SEND SS (normal)	F	6.5.0
CP-060242	0069	-	CT-32	Essential correction of 27.22.4.13.1 SET UP CALL, seq 1.4	F	6.5.0
CP-060242	0070	-	CT-32	Essential correction of second card reader test applicability	F	6.5.0
CP-060242		-	CT-32	Correction of TON/NPI coding for Call Control Test case	F	6.5.0
CP-060242		-	CT-32	Essential corrections on 27.22.4.11.1 sequence. 1.2	F	6.5.0
CP-060242		-	CT-32	Essential correction of BIP tests	F	6.5.0
CP-060389		1	CT-33	Wrong reference inside test requirement of TC 27.22.7.2.2	F	6.6.0
CP-060389		1	CT-33	Essential corrections of applicability table	F	6.6.0
CP-060389		1	CT-33	Essential correction of IMEISV coding for Provide Local Information	F	6.6.0
CP-060389	0089	1	CT-33	Essential corrections of text attribute tests for Send USSD and Close channel	F	6.6.0
CP-060389	0090	1	CT-33	Proposal to the TS 31.124 Split by referencing the relevant USAT Test procedures to TS 102 384	F	6.6.0
CP-060389	0091	1	CT-33	Correction to the UCS2 coding in Setup Call test	F	6.6.0
CP-060389		1	CT-33	Essential correction of RUN AT Command for text attribute tests	F	6.6.0
CP-060389	0095	1	CT-33	Correction of RECEIVE DATA tests	F	6.6.0
CP-060389		1	CT-33	Correction of terminology for USIM Service Table	F	6.6.0
CP-060389		1	CT-33	Correction of 2nd alpha identifier usages in SET UP CALL tests	F	6.6.0
CP-060389		1	CT-33	Correction of various typographical errors	F	6.6.0
CP-060389		1	CT-33	Essential corrections to OPEN CHANNEL text attribute test sequences	F	6.6.0
CP-060389	0078	1	CT-33	Correction of "Precedence class" values in Bearer Independent Protocol test cases	F	6.6.0
CP-060389	0076	1	CT-33	Essential corrections on PROVIDE LOCAL INFORMATION test sequences	F	6.6.0
CP-060389	0800	2	CT-33	Essential corrections on test sequences using the TLV data object Location Information	F	6.6.0
CP-060389	0100	2	CT-33	Essential corrections to SET UP CALL (UCS2 Display) test sequences	F	6.6.0
CP-060389		3	CT-33	Essential corrections to REFRESH(normal) test sequence	F	6.6.0
CP-060389	0102	1	CT-33	Essential corrections to SEND SS display tests concerning longForwardedToNumber	F	6.6.0
CP-060475	0086	1	CT-33	Essential corrections of MMI entries in table E.1	F	6.6.0
CP-060475		2	CT-33	Corrections to SET UP CALL test case 27.22.4.13.1	F	6.6.0
CP-060475	0099	1	CT-33	Essential corrections to SEND SS concerning longForwardedToNumber	F	6.6.0
CP-060475		2	CT-33	Corrections to MO SHORT MESSAGE CONTROL BY USIM tests	F	6.6.0
CP-060517		1	CT-33	Essential corrections Set Up Call, seq. 1.9	F	6.6.0
CP-060540		-	CT-34	Correction of APN Coding in Open Channel test case	F	6.7.0
CP-060540		2	CT-34	Essential corrections of BIP entries in table E.1	F	6.7.0
CP-060540		2	CT-34	Essential correction of Result TLV handling	F	6.7.0
CP-060540		-	CT-34	Essential correction of expected sequence in OPEN CHANNEL test case		6.7.0
CP-060727		-	CT-34	Some of the Applicability table content is missing when printed or in Print Layout mode		6.7.0
CP-060727		1	CT-34	Correction to SET UP CALL	F	6.7.0
CP-060727		-	CT-34	Correction to SEND SS	F	6.7.0
CP-060727		1	CT-34		В	6.7.0
CP-060727		-	CT-34	Essential corrections on SEND SS (UCS2 display) test cases	F	6.7.0
CP-060727		-	CT-34	Essential corrections on REFRESH TC 27.22.4.7.1	F	6.7.0
CP-060727		1	CT-34	Corrections in the interpretation of Katakana Character	F -	6.7.0
CP-070063		-	CT-35	Essential correction of 27.22.5.2	F	6.8.0
CP-070063		1	CT-35	Essential correction of Terminal Profile Support table	F	6.8.0
CP-070063		1	CT-35	Essential correction of 27.22.4.13.1 Expected Sequence 1.7	F	6.8.0
CP-070065		-	CT-35	Essential correction of 27.22.4.7, seq. 1.7	F	6.8.0
CP-070065		Ι-	CT-35	Essential correction of TC 27.22.7.4.1	F	6.8.0
CP-070065		-	CT-35 CT-35	CR implementation error correction for 27.22.6.2 SEQ 2.2	F F	6.8.0 6.8.0
CP-070065		1		CR implementation error correction for 27.22.4.11.1 SEQ 1.4A	F	
CP-070065		1	CT-35	Essential clarification of Network Simulator selection	F	6.8.0
CP-070065	U 1 Z Z	11	CT-35	Essential correction of 27.22.4.7.2 SEQ 2.2	Γ	6.8.0

CP-doc	CR	REV	Meeting	SUBJECT	CAT	NEW_VERS
CP-070065	0124	2	CT-35	Addition of new expected sequence to the SMS-PP Data Download test	С	6.8.0
				case		
CP-070065	0125	2	CT-35	Addition of a new expected sequence to the SMS-CB Data Download	F	6.8.0
				test case		
CP-070297	0127	2	CT-36	Essential correction of test case applicability	F	6.9.0
CP-070297	0128	-	CT-36	Correction of 27.22.4.2 applicability	F	6.9.0
CP-070297	0129	1	CT-36	Essential correction of test case applicability for 27.22.6.1	Α	6.9.0
CP-070297	0130	1	CT-36	Essential correction on 27.22.8	Α	6.9.0
CP-070297	0131	-	CT-36	Essential correction on 27.22.5.1	F	6.9.0
CP-070297	0132	-	CT-36	Essential correction on 27.22.4.11.1 sequence. 1.4 B	F	6.9.0
CP-070297	0133	-	CT-36	Correction of reference to ISO/IEC 7816-3	Α	6.9.0
=	-	-	2007-06	Update to Rel-7 version (MCC)	-	7.0.0

History

Document history				
V7.0.0	June 2007	Publication		