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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
 - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

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 ETSI 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, or Release 7 or Release 8.

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 ETSI's 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 102 384 [26] refers to the Mobile Equipment (ME).

Within the context of this document, the term "UICC" used in ETSI TS 102 384 [26] refers to the USIM card.

Within the context of this document, the term "NAA" used in ETSI TS 102 384 [26] refers to the USIM application.

For the avoidance of doubt, references to clauses of ETSI TS 102 384 [26] or ETSI TS 102 221 [13] include all the subclauses of that clause, unless specifically mentioned.

The target test specification ETSITS 102 384 [26] contains material that is outside of the scope of 3GPP requirements and the present document indicates which parts are in the scope and which are not.

A 3GPP ME may support functionality that is not required by 3GPP, but the requirements to do so are outside of the scope of 3GPP. Thus the present document does not contain tests or references to ETSI TS 102 384 [26] tests for features which are out of scope of 3GPP.

2 References

[20]

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".
[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 v3.18.0: "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]	Void
[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)".
[19]	ISO/IEC 9646-7 (1995): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

conformance testing specifications; Standardization methodology".

ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile

[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".
[29]	3GPP TS 23.122: "Non-Access Stratum functions related to Mobile Station (MS) in idle mode".
[30]	3GPP TS 23.107: "Quality of Service (QoS) concept and architecture".
[31]	3GPP TS 23.203: "Policy and charging control architecture".
[32]	3GPP TS 24.301: "Technical Specification Group Core Network and Terminals; Non-Access-Stratum (NAS) protocol for Evolved Packet Systems (EPS): Stage 3".
[33]	3GPP TS 36.508: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); Common test environments for User Equipment (UE) conformance testing".
[34]	3GPP TS 36.523-2 " Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification"
[35]	3GPP TS 31.103: "Characteristics of the IP Multimedia Services Identity Module (ISIM) application".
[36]	3GPP TS 34.229-1: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".
[37]	3GPP TS 24.341: "Support of SMS over IP networks".

3 Definitions and abbreviations

3.1 Mobile station definition and configurations

The mobile station definition and configurations specified in TS 34.108 [12] and TS 36.508 [33] 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] and TS 36.508 [33] 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, to the "Evolved UMTS System Simulator" when accessing a E-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] and TS 31.121 [21] 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 Terminal Profile bit(s) that is/are related to the toolkit feature(s) of the respective test(s).

- The "Additional test case execution parameter" column shall be used in conjunction with the entry in the "Rel-xx ME" column. The column indicates if the test is affected by additional test case execution parameters.

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.

The "Additional test case execution parameter" column shows the status of the entries as follows:

TCEPi Test Case Execution Parameter –defines additional parameters which have to be taken into

account when executing affected test case(s). "i" is an integer identifying an unique parameter

which is defined immediately following the table.

A applicable - the test is applicable according to the corresponding entry in the "Rxx ME" column

R(x) redundant – the test has to be considered as redundant when the corresponding E-UTRAN/EPC

related test "x" of the present document has been validated and successfully executed. In that case

the requirement may be verified by means of the E-UTRAN/EPC functionality only.

AERi Additional test case Execution Recommendation – with respect to the above listed definitions of

("A") and ("R") the test is applicable ("A") or redundant ("R") depending on the support of other optional or conditional items. "i" is an integer identifying a 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	Option	Status	Support	Mnemonic
1	Capability Configuration parameter	М		O_Cap_Conf
2	Sustained text	C002		O_sust_text
3	UCS2 coding scheme for Entry	0		O_Ucs2_Entry
4	Extended Text String	C002		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_Imm_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_R\$232
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_EnvCC
40	ME requesting for user confirmation after sending the Envelope Call Control command	0	O_UC_After_EnvCC
41	UCS2 in Cyrillic	0	O_UCS2_Cyrillic
42	UCS2 in Chinese	0	O_UCS2_Chinese
43	UCS2 in Katakana	0	O_UCS2_Katakana
44	Mobile supporting Barred Dialling 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_Default APN
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
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_Param
	parameters Support		
68	Terminal executes User confirmation phase before sending PDP context activation request	0	O_User_Confirm_Before_PDP_Context_R equest
69	ME supports Call Hold Supplementary Service	0	O_Serv_SS_HOLD
70	Class E: B.I.P. related to I-WLAN	0	O I-WLAN
71	Class K: Terminal Applications support	0	O_Terminal_Applications
72	Class E: Terminal supports TCP, UICC in Server Mode	0	O_TCP_UICC_ServerMode
73	Class E: Terminal supports TCP, Terminal in Server Mode	0	O_TCP_Terminal_ServerMode
74	Class E: Terminal supports UDP, UICC in Server Mode	0	O_UDP_Terminal_ServerMode
75	Void		
76	Void		
77	Void		
78	Terminal supports at least one supplementary service.	0	O_AddInfo_SS
79	Terminal supports "Call Forwarding Unconditional"	0	O_ Serv_SS_CFU
80	Terminal supports "Calling Line Identification Restriction"	0	O_Serv_SS_CLIR
81	Class N:Terminal supports "Geographical location discovery"	0	O_Geo_Location_Discovery
82	Terminal supports melody and theme tones	0	O_M_T_Tones
83	Terminal supports Toolkit-initiated GBA	0	O_Toolkit_GBA
84	Terminal supports display capability	C002	O_ No_Type_ND
85	Terminal supports keypad	C002	O_No_Type_NK
86	Terminal supports audio alerting	C002	O_No_Type_NA
87	Terminal supports speech call	C002	O_No_Type_NS
88	Terminal supports multiple	C002	O_No_Type_NL
89	languages Class P:USSD Data Download and application mode	0	O_USSD_Data_DL
90	Terminal displays icons as defined in record 1 of EF(IMG) for Display Text command	0	O_Icon Rec1_Disp_Text
91	Terminal displays icons as defined in record 2 of EF(IMG) for Display Text command	0	O_Icon Rec2_Disp_Text
92	Terminal displays icons as defined in record 5 of EF(IMG) for Display Text command	0	O_Icon Rec5_Disp_Text
93	Terminal displays icons as defined in record 1 of EF(IMG) for Get Inkey command	0	O_lcon Rec1_Get_Inkey
94	Terminal displays icons as defined in record 2 of EF(IMG) for Get Inkey command	0	O_Icon Rec2_Get_Inkey
95	Terminal displays icons as defined in record 5 of EF(IMG) for Get Inkey command	0	O_Icon Rec5_Get_Inkey
96	Terminal displays icons as defined in record 1 of EF(IMG) for Get Input command	0	O_lcon Rec1_Get_Input

97	Terminal displays icons as defined in record 2 of EF(IMG) for Get Input command	0	O_lcon Rec2_Get_Input
98	Terminal displays icons as defined in record 5 of EF(IMG) for Get Input command	0	O_lcon Rec5_Get_Input
99	Terminal displays icons as defined in record 1 of EF(IMG) for Play Tone command	0	O_Icon Rec1_Play_Tone
100	Terminal displays icons as defined in record 2 of EF(IMG) for Play Tone command	0	O_Icon Rec2_Play_Tone
101	Terminal displays icons as defined in record 5 of EF(IMG) for Play Tone command	0	O_Icon Rec5_Play_Tone
102	Terminal displays icons as defined in record 1 of EF(IMG) for Set Up Menu command	0	O_lcon_ Rec1_Set_Up_Menu
103	Terminal displays icons as defined in record 2 of EF(IMG) for Set Up Menu command	0	O_lcon_ Rec2_Set_Up_Menu
104	Terminal displays icons as defined in record 5 of EF(IMG) for Set Up Menu command	0	O_lcon_ Rec5_Set_Up_Menu
105	Terminal displays icons as defined in record 1 of EF(IMG) for Select Item command	0	O_lcon_ Rec1_Select_Item
106	Terminal displays icons as defined in record 2 of EF(IMG) for Select Item command	0	O_Icon_ Rec2_Select_Item
107	Terminal displays icons as defined in record 5 of EF(IMG) for Select Item command	0	O_lcon_ Rec5_Select_Item
108	Terminal displays icons as defined in record 1 of EF(IMG) for Send Short Message command	0	O_lcon_ Rec1_Send_SM
109	Terminal displays icons as defined in record 2 of EF(IMG) for Send Short Message command	0	O_lcon_ Rec2_Send_SM
110	Terminal displays icons as defined in record 5 of EF(IMG) for Send Short Message command	0	O_lcon_ Rec5_Send_SM
111	Terminal displays icons as defined in record 1 of EF(IMG) for Send SS command	0	O_lcon_ Rec1_Send_SS
112	Terminal displays icons as defined in record 2 of EF(IMG) for Send SS command	0	O_lcon_ Rec2_Send_SS
113	Terminal displays icons as defined in record 5 of EF(IMG) for Send SS command	0	O_lcon_ Rec5_Send_SS
114	Terminal displays icons as defined in record 1 of EF(IMG) for Send USSD command	0	O_lcon_ Rec1_Send_USSD
115	Terminal displays icons as defined in record 2 of EF(IMG) for Send USSD command	0	O_lcon_ Rec2_Send_USSD
116	Terminal displays icons as defined in record 5 of EF(IMG) for Send USSD command	0	O_lcon_ Rec5_Send_USSD
117	Terminal displays icons as defined in record 1 of EF(IMG) for Set Up Call command	0	O_lcon_ Rec1_Set_Up_Call
118	Terminal displays icons as defined in record 2 of EF(IMG) for Set Up Call command	0	O_lcon_ Rec2_Set_Up_Call

119	Terminal displays icons as defined in record 5 of EF(IMG) for Set Up Call command	0	O_lcon_ Rec5_Set_Up_Call
120	Terminal displays icons as defined in record 1 of EF(IMG) for Set Up Idle Mode Text command	0	O_lcon_ Rec1_Set_Up_ldle_Mode_Text
121	Terminal displays icons as defined in record 2 of EF(IMG) for Set Up Idle Mode Text command	0	O_lcon_ Rec2_Set_Up_Idle_Mode_Text
122	Terminal displays icons as defined in record 5 of EF(IMG) for Set Up Idle Mode Text command	0	O_lcon_ Rec5_Set_Up_Idle_Mode_Text
123	Terminal displays icons as defined in record 1 of EF(IMG) for Run AT Command command	0	O_lcon_ Rec1_Run_AT_Cmd
124	Terminal displays icons as defined in record 2 of EF(IMG) for Run AT Command command	0	O_lcon_ Rec2_Run_AT_Cmd
125	Terminal displays icons as defined in record 5 of EF(IMG) for Run AT Command command	0	O_lcon_ Rec5_Run_AT_Cmd
126	Terminal displays icons as defined in record 1 of EF(IMG) for Send DTMF command	0	O_lcon_ Rec1_Send_DTMF
127	Terminal displays icons as defined in record 2 of EF(IMG) for Send DTMF command	0	O_lcon_ Rec2_Send_DTMF
128	Terminal displays icons as defined in record 5 of EF(IMG) for Send DTMF command	0	O_lcon_ Rec5_Send_DTMF
129	Terminal displays icons as defined in record 1 of EF(IMG) for Launch Browser command	0	O_lcon_ Rec1_Launch_Browser
130	Terminal displays icons as defined in record 2 of EF(IMG) for Launch Browser command	0	O_lcon_ Rec2_Launch_Browser
131	Terminal displays icons as defined in record 5 of EF(IMG) for Launch Browser command	0	O_lcon_ Rec5_Launch_Browser
132	Class E: Terminal does support eFDD	0	pc_BIP_eFDD
133	Class E: Terminal does support eTDD	0	pc_BIP_eTDD
134	Terminal supports UTRAN	0	O_UTRAN
135	Terminal supports E-UTRAN but neither UTRAN nor GERAN	C003	O_EUTRAN_NO_UTRAN_NO_GERAN
136	CLASS Q: Terminal supports Event CSG Cell Selection	0	O_Event_CSG_Cell_Selection
137	CLASS Q: Terminal supports CSG Cell Discovery	0	O_CSG_Cell_Discovery
138	Terminal supports selection of default item in Select Item	0	O_Select_Item_Default_Item
139	Terminal supports eFDD	0	pc_eFDD
140	Terminal supports eTDD	0	pc_eTDD
141	Terminal supports SM-over-IP-receiver	0	pc_SM-over-IP-receiver
142	Terminal supports MO SMS over IMS	0	pc_MO_SM-over-IMS
143	Class K: Terminal supports Direct Communication Channel	0	O_Direct_Com_Channel
144	Terminal supports Communication Control for IMS	0	O_CC_IMS
145	Class S: Terminal supports CAT over modem interface	0	O_CAT_Modem_Interface
146	Class E and T: Event Incoming IMS Data	0	O_Event_Incoming_IMS_Data

147	Class E and T: Event IMS Registration	0	O_Event_IMS_Registration									
148	Class E and T: UICC Access to IMS support	0	O_UICC_ACCESS_IMS									
149	9 Terminal supports SMS Cell O O_SMS-CB_Data_Download Broadcast Data Download											
C001	If terminal is implemented according to	Rel-6 or	later then M, else O									
C002	2 If feature is implemented according to Rel-8 or later then O, else M											
C003	3 If terminal is implemented according to Rel-8 or later AND ((A.1/132 OR A.1/133) AND (NOT A.1/64)											
	AND (NOT A.1/134)) THEN M ELSE N/A											

3.4 Applicability table

Table B.1: Applicability of tests

1	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	PROFILE DOWNLOAD 27.22.1	R99	1	М	M	М	М	М	М	М	М	E.1/1	No		
	Contents of the TERMINAL PROFILE command 27.22.2	R99		М	М	М	М	М	М	М	М	E.1/1	No		
	Servicing of Proactive UICC	R99		М	М	M	M	М	М	М	М		No		
	Commands 27.22.3	1100		'''		141	141	141			141				
	DISPLAY TEXT 27.22.4.1														
	Unpacked	R99	1.1	C177	E.1/17 AND E.1/110	No									
	Screen busy	R99	1.2	C177	E.1/17 AND E.1/110	No									
-	high priority	R99	1.3	C177	E.1/17 AND E.1/110	No									
Ī	Packed	R99	1.4	C177	E.1/17 AND E.1/110	No									
	clear after delay	R99	1.5	C177	E.1/17 AND E.1/110	No									
	long text up to 160 bytes	R99	1.6	C177	E.1/17 AND E.1/110	No									
	Backwards move in USIM session	R99	1.7	AND	C177 AND C178	E.1/17 AND E.1/110 AND E.1/111	No								
,	Session terminated by user	R99	1.8	C177 AND C178	E.1/17 AND E.1/110 AND E.1/111	No									
	Command not understood by ME	R99	1.9		C177		C177	C177	C177	C177	C177	E.1/17 AND E.1/110	No		
	no response from user	R99	2.1	C120 AND C177 AND C178	E.1/17 AND E.1/110 AND E.1/111	No									
	Extension Text	R99	3.1			C177	C177	C177	C177	C177	C177	E.1/17 AND E.1/16 AND E.1/110	No		
	sustained text	R99	4.1, 4.2	C177	E.1/17 AND E.1/65 AND E.1/110	No									

1	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	sustained text	R99	4.3	C177 AND C178	C177 AND C178	C177 AND C178	C177 AND C178	C177 AND C178	C177 AND C178	C177 AND C178	C177 AND C178	E.1/17 AND E.1/65 AND E.1/110 AND E.1/111	No		
	sustained text	R99	4.4	C177 AND C180	C177 AND C180	C177 AND C180	C177 AND C180	C177 AND C180	C177 AND C180 AND C183	C177 AND C180 AND C183	C177 AND C180 AND C183	E.1/17 AND E.1/65 AND E.1/110	UMTS System Simulator or System Simulator only		
	Icons – basic icon	R99	5.1, 5.3	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	E.1/17 AND E.1/110	No		
	Icons – colour icon	R99	5.2	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	E.1/17 AND E.1/110	No		
	UCS2 display in Cyrillic	R99	6.1	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	E.1/17 AND E.1/15 AND E.1/110	No		
	Variable Timeout	Rel-4	7.1		C126 AND C177 AND C178	E.1/17 AND E.1/137 AND E.1/110 AND E.1/111	No								
	Text attribute – left alignment	Rel-5	8.1			C153 AND C177	C153 AND C177	C153 AND C177	C153 AND C177	C153 AND C177	C153 AND C177	E.1/17 AND E.1/124 AND E.1/217 AND E.1/110	No		
	Text attribute – center alignment	Rel-5	8.2			C154 AND C177	C154 AND C177	C154 AND C177	C154 AND C177	C154 AND C177	C154 AND C177	E.1/17 AND E.1/124 AND E.1/218 AND E.1/110	No		
	Text attribute – right alignment	Rel-5	8.3			C155 AND C177	C155 AND C177	C155 AND C177	C155 AND C177	C155 AND C177	C155 AND C177	E.1/17 AND E.1/124 AND E.1/219 AND E.1/110	No		
	Text attribute – large font size	Rel-5	8.4			C157 AND C156 AND C177	C157 AND C156 AND C177	C157 AND C156 AND C177	C157 AND C156 AND C177	C157 AND C156 AND C177	C157 AND C156 AND C177	E.1/17 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110	No		

Item	Description	Re- lease	Test sequence	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
		loudo	(s)	ME							ME	1.0	су	PO. 1	oxodulion paramotor
	Text attribute – small font size	Rel-5	8.5			C158	C158	C158	C158	C158	C158	E.1/17 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/222 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110			
	Text attribute – bold on	Rel-5	8.6			C160	C160	C160	C160	C160	C160	E.1/17 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/226 AND			
						C177	C177	C177	C177	C177	C177	E.1/110			
	Text attribute – italic on	Rel-5	8.7			C161	C161	C161	C161	C161	C161	E.1/17 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/227 AND			
						C177	C177	C177	C177	C177	C177	E.1/110			
	Text attribute – underlined on	Rel-5	8.8			C162	C162	C162	C162	C162	C162	E.1/17 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/228 AND			
						C177	C177	C177	C177	C177	C177	E.1/110			
	Text attribute – strikethrough on	Rel-5	8.9			C163	C163	C163	C163	C163	C163	E.1/17 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/229 AND			
						C177	C177	C177	C177	C177	C177	E.1/110			
	Text attribute – foreground and	Rel-5	8.10			C164	C164	C164	C164	C164	C164	E.1/17 AND	No		
	background colours					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C165	C165	C165	C165	C165	C165	E.1/230 AND			
						AND	AND	AND	AND	AND	AND	E.1/231 AND			
						C177	C177	C177	C177	C177	C177	E.1/110			
	UCS2 display in Chinese	R99	9.1			C143	C143	C143	C143	C143	C143	E.1/17 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C177	C177	C177	C177	C177	C177	E.1/110			
	UCS2 display in Katakana	R99	10.1			C145	C145	C145	C145	C145	C145	E.1/17 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/15 AND			
	_					C177	C177	C177	C177	C177	C177	E.1/110			
	Frames	Rel-6	TBD									E.1/17 AND	TBD		
												E.1/177 AND			
												E.1/178 AND			
	OFT INIVEY 07 00 4 0		-	-					ļ	<u> </u>		E.1/110	1		
5	GET INKEY 27.22.4.2	B00	4.4	0477	0477	0477	0477	0477	0477	0477	0477	E 4/40 AND	 	1	
	prompt unpacked	R99	1.1	C177		C177	C177	C177	C177	C177	C177	E.1/18 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
1				C178	C178	6/1/	C178	C178	C178	C178	C178	E.1/111			

	Description	Re- lease	Test sequence	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
		Doo	(s)	ME	0.4==	0.4==	0.177	0.1==	0.1==	0.4==	ME	E 4/46 AND	су	1	
	prompt packed	R99	1.2	C177	C177	C177	C177	C177	C177	C177	C177	E.1/18 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
-	Backwards move in UICC session	R99	1.3	C178	C178	C178	C178 C177	C178	C178	C178	C178	E.1/111 E.1/18 AND	No	+	
	backwards move in DICC session	K99	1.3	AND	AND	AND	AND	AND	AND	AND	AND	E.1/10 AND	INO		
						C178	C178	C178	C178	C178	C178	E.1/110 AND E.1/111			
F	Session terminated by user	R99	1.4	C177	C177	C177	C177	C177	C177	C177	C177	E.1/18 AND	No		
	ocssion terminated by user	1133	1	AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	140		
						C178	C178	C178	C178	C178	C178	E.1/111			
ŀ	SMS alphabet	R99	1.5	C177	C177	C177	C177	C177	C177	C177	C177	E.1/18 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
					C178	C178	C178	C178	C178	C178	C178	E.1/111			
Ī	Long text up to 160 bytes	R99	1.6	C177	C177	C177	C177	C177	C177	C177	C177	E.1/18 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
					C178	C178	C178	C178	C178	C178	C178	E.1/111			
Ī	no response from user	R99	2.1	C120	C120	C120	C120	C120	C120	C120	C120	E.1/18 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
Ļ				C178	C178	C178	C178	C178	C178	C178	C178				
	UCS2 display in Cyrillic	R99	3.1	C118	C118	C118	C118	C118	C118	C118	C118	E.1/18 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/15 AND			
				C177	C177 AND	C177 AND	C177 AND	C177	C177 AND	C177	C177	E.1/110 AND			
				AND C178	C178	C178	C178	AND C178	C178	AND C178	AND C178	E.1/111			
ŀ	UCS2 display, Long text up to 70	R99	3.2	C178	C178	C178	C178	C178	C178	C178	C178	E.1/18 AND	No	+	
	chars in Cyrillic	Kaa	3.2	AND	AND	AND	AND	AND	AND	AND	AND	E.1/15 AND	INO		
	Chars in Cyrinic			C177	C177	C177	C177	C177	C177	C177	C177	E.1/13 AND			
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/111			
				C178	C178	C178	C178	C178	C178	C178	C178	2,			
ŀ	UCS2 entry in Cyrillic	R99	4.1	C105		C105	C105	C105	C105	C105	C105	E.1/18 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/14 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/110 AND			
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/111			
L				C178	C178	C178	C178	C178	C178	C178	C178				
ſ	"Yes/No" response	R99	5.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/18 AND	No		
l				AND	AND	AND	AND	AND	AND	AND	AND	E.1/60 AND			
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/110 AND E.1/111			
ŀ	Icons – basic icon	R99	6.1, 6.2	C108	C108	C108	C108	C108	C108	C108	C108	E.1/18 AND	No	+	
	100110 20010 10011	1100	3.1, 0.2	AND	AND	AND	AND	AND	AND	AND	AND	E.1/10 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
						C178	C178	C178	C178	C178	C178				

l	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution paramete
	Icons – colour icon	R99	6.3, 6.4	C171	C171	C171	C171	C171	C171	C171	C171	E.1/18 AND	No		
			,	AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
				C178	C178	C178	C178	C178	C178	C178	C178				
	Help information	R99	7.1	C107	C107	C107	C107	C107	C107	C107	C107	E.1/18 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
_				C178	C178	C178	C178	C178	C178	C178	C178				
	Variable Timeout	Rel-4	8.1		C126	E.1/18 AND	No								
					AND	E.1/140 AND									
					C177	E.1/110 AND									
					AND	E.1/111									
ļ					C178										
	Text attribute – left alignment	Rel-5	9.1			C153		C153	C153	C153	C153	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/217 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
	Text attribute – center alignment	Rel-5	9.2			C154	C154	C154	C154	C154	C154	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/218 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
Ļ						C178	C178	C178	C178	C178	C178	E.1/111			
	Text attribute – right alignment	Rel-5	9.3			C155	C155	C155	C155	C155	C155	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/219 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
ļ						C178	C178	C178	C178	C178	C178	E.1/111			
	Text attribute – large font size	Rel-5	9.4			C157	C157	C157	C157	C157	C157	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/221 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
ļ	-	D : -			1	C178	C178	C178	C178	C178	C178	F 4/46 ****	ļ.,.	1	
	Text attribute – small font size	Rel-5	9.5			C158	C158	C158	C158	C158	C158	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/222 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178			1	

	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution paramete
Ť	Text attribute – bold on	Rel-5	9.6			C160	C160	C160	C160	C160	C160	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124			
						C159	C159	C159	C159	C159	C159	E.1/221 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
F	Text attribute – italic on	Rel-5	9.7			C161	C161	C161	C161	C161	C161	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/227 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
-	Text attribute – underlined on	Rel-5	9.8			C162	C162	C162	C162	C162	C162	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/228 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
F	Text attribute – strikethough on	Rel-5	9.9			C163	C163	C163	C163	C163	C163	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/229 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
F	Text attribute – foreground and	Rel-5	9.10			C164	C164	C164	C164	C164	C164	E.1/18 AND	No		
	background colours					AND	AND	AND	AND	AND	AND	E.1/124 AND			
	Ü					C165	C165	C165	C165	C165	C165	E.1/230 AND			
						AND	AND	AND	AND	AND	AND	E.1/231 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
Ī	UCS2 display in Chinese	R99	10.1			C143	C143	C143	C143	C143	C143	E.1/18 AND	No		
	11-7					AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				

Item	Description	Re- lease	Test sequence	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
	11000 1: 1 : 01: 1	Boo	(s)	IVIE		04.40	04.40	0440	04.40	04.40		E 4/40 AND	су		
	UCS2 display in Chinese, Long	R99	10.2			C143	C143	C143	C143	C143	C143	E.1/18 AND	No		
	text up to 70 chars					AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
	11000					C178	C178	C178	C178	C178	C178	=		-	
	UCS2 entry in Chinese	R99	11.1			C142	C142	C142	C142	C142	C142	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/14 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	UCS2 display in Katakana	R99	12.1			C145	C145	C145	C145	C145	C145	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	UCS2 display in Katakana, Long	R99	12.2			C145	C145	C145	C145	C145	C145	E.1/18 AND	No		
	text up to 70 chars					AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	UCS2 entry in Katakana	R99	13.1			C144	C144	C144	C144	C144	C144	E.1/18 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/14 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	Frames	Rel-6	TBD									E.1/18 AND	TBD		
		1										E.1/177 AND			
												E.1/178 AND			
												E.1/110 AND			
												E.1/111			
6	GET INPUT 27.22.4.3											-			
1	input unpacked	R99	1.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/19 AND	No	1	
	put unpuonou			AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/111			
	input packed	R99	1.2	C177	C177	C177	C177	C177	C177	C177	C177	E.1/19 AND	No		
	In par paoriou	1100	1.2	AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	140		
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/111			
	digits only	R99	1.1	C177	C177	C177	C178	C177	C177	C177	C177	E.1/19 AND	No	+	
	uigits offiy	1799	'.'	AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	INU		
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/110 AND E.1/111			
	CMC alphabat	DOO	1.3	C176	C177	C178	C178	C178	C178	C178	C178	E.1/111 E.1/19 AND	Na	1	
	SMS alphabet	R99	1.3	AND				AND	AND	AND			No		
					AND	AND	AND				AND	E.1/110 AND			
1			1	C178	C178	C178	C178	C178	C178	C178	C178	E.1/111		1	

	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	·	lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су		
	hidden input	R99	1.4	C177	E.1/19 AND	No									
				AND	E.1/110 AND										
					C178	E.1/111									
	min / max acceptable length	R99	1.5, 1.9	C177	E.1/19 AND	No									
				AND	E.1/110 AND										
L					C178	E.1/111									
	Backwards move in UICC session	R99	1.6	C177	E.1/19 AND	No									
				AND	E.1/110 AND										
L				C178	E.1/111										
,	Session terminated by user	R99	1.7	C177	E.1/19 AND	No									
				AND	E.1/110 AND										
Ļ				C178	E.1/111										
	Prompt text up to 160 bytes	R99	1.8	C177	E.1/19 AND	No									
				AND	E.1/110 AND										
L				C178	E.1/111										
- 1	SMS default alphabet, ME to echo	R99	1.9	C177	E.1/19 AND	No									
1	text, packing not required			AND	E.1/110 AND										
Ļ					C178	E.1/111									
	Null length for the text string	R99	1.10	C177	E.1/19 AND	No									
				AND	E.1/110 AND										
Ļ					C178	E.1/111									
I	no response from user	R99	2.1	C120	E.1/19 AND	No									
				AND	E.1/110 AND										
				C177	E.1/111										
				AND											
ŀ	11000 1: 1 : 0 :11:	Doo	0.4.00	C178	E 4/40 AND										
- [UCS2 display in Cyrillic	R99	3.1, 3.2	C118	E.1/19 AND	No									
				AND	E.1/15 AND										
				C177 AND	E.1/110 AND E.1/111										
				C178	E. 1/ 1 1 1										
ŀ	UCS2 entry in Cyrillic	R99	4.1, 4.2	C178	E.1/19 AND	No									
ď	UCSZ entry in Cyrillic	K99	4.1, 4.2	AND	E.1/19 AND E.1/14 AND	INO									
				C177	E.1/110 AND										
				AND	E.1/111										
				C178	L.1/111										
ŀ	default text for the input	R99	5.1, 5.2	C177	E.1/19 AND	No									
- [deladit text for the input	1133	J. 1, J.Z	AND	E.1/110 AND	INO									
				C178	E.1/111										
ŀ	Icons – basic icon	R99	6.1, 6.2	C108	C178	C108	C178	C108	C178	C178	C108	E.1/19 AND	No		
	100113 — 10011	1133	0.1, 0.2	AND	E.1/110 AND	INO									
				C177	E.1/111										
				AND	L. 1/ 1 1 1										
1						C178	C178	C178	C178	C178	C178				
L		1		01/0	10170	0110	0170	01/0	01/0	01/0	0170		1	1	

1	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
	Icons – colour icon	R99	6.3, 6.4	C171	C171	C171	C171	C171	C171	C171	C171	E.1/19 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
					C178										
	help information	R99	7.1	C107	C107	C107	C107	C107	C107	C107	C107	E.1/19 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
				C178	C178	C178	C178	C178	C178	C178	C178				
	Text attribute left alignment	Rel-5	8.1			C153	C153	C153	C153	C153	C153	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/217 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
	Text attribute – center alignment	Rel-5	8.2			C154	C154	C154	C154	C154	C154	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/218 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
	Text attribute – right alignment	Rel-5	8.3			C155	C155	C155	C155	C155	C155	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/219 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
	Text attribute – large font size	Rel-5	8.4			C157	C157	C157	C157	C157	C157	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/221 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	Text attribute – small font size	Rel-5	8.5			C158	C158	C158	C158	C158	C158	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/222 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				

	Description	Re- lease	Test sequence	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup- port	Additional test case execution paramete
		loudo	(s)	ME							ME	1101110	су	Port	excounter paramete
T	Text attribute – bold on	Rel-5	8.6			C160	C160	C160	C160	C160	C160	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/226 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
ľ	Text attribute – italic on	Rel-5	8.7			C161	C161	C161	C161	C161	C161	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/227 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
F	Text attribute – underlined on	Rel-5	8.8			C162	C162	C162	C162	C162	C162	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/228 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
Ī	Text attribute – strikethrough on	Rel-5	8.9			C163	C163	C163	C163	C163	C163	E.1/19 AND	No		
	· ·					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/229 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
ſ	Text attribute – foreground and	Rel-5	8.10			C164	C164	C164	C164	C164	C164	E.1/19 AND	Νo		
	background colours					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C165	C165	C165	C165	C165	C165	E.1/230 AND			
						AND	AND	AND	AND	AND	AND	E.1/231 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
ſ	UCS2 display in Chinese	R99	9.1, 9.2			C143	C143	C143	C143	C143	C143	E.1/19 AND	No		
			1			AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
1						C178	C178	C178	C178	C178	C178				

ltem	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	UCS2 entry in Chinese	R99	10.1, 10.2			C142	C142	C142	C142	C142	C142	E.1/19 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/14 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178		<u> </u>		
	UCS2 display in Katakana	R99	11.1, 11.2			C145	C145	C145	C145	C145	C145	E.1/19 AND	No		
						AND C177	AND	AND C177	AND C177	AND C177	AND C177	E.1/15 AND E.1/110 AND			
						AND	C177 AND	AND	AND	AND	AND	E.1/110 AND E.1/111			
						C178	C178	C178	C178	C178	C178	E. 1/ 1 1 1			
	UCS2 entry in Katakana	R99	12.1, 12.2			C144	C178	C144	C144	C178	C178	E.1/19 AND	No		
	OC32 entry in Natakana	Kaa	12.1, 12.2			AND	AND	AND	AND	AND	AND	E.1/19 AND E.1/14 AND	INO		
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178	2.1/111			
	Frames	Rel-6	TBD									E.1/19 AND	TBD		
												E.1/177 AND			
												E.1/178 AND			
												E.1/110 AND			
												E.1/111			
7	MORE TIME 27.22.4.4	R99	1.1	М	M	M	M	М	М	M	M	E.1/20	No		
8	PLAY TONE 27.22.4.5														
	play all tones, display alpha, user	R99	1.1	C178	C178	C178	C178	C178	C178	C178	C178	E.1/21 AND	UMTS		TCEP001
	termination, superimpose			AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
				C179	C179	C179	C179	C179	C179	C179	C179	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		or System		
				C180	C180	C180	C180	C180	C180 AND	C180 AND	C180 AND		Simulator		
									C183	C183	C183		only		
	UCS2 display in Cyrillic	R99	2.1	C118	C118	C118	C118	C118	C118	C118	C118	E.1/21 AND	No		TCEP001
	UC32 display in Cyrillic	Kaa	2.1	AND	AND	AND	AND	AND	AND	AND	AND	E.1/21 AND E.1/15 AND	INO		ICEFOOT
					C179	E.1/110									
	Icons – basic icon	R99	3.1, 3.2		C108	E.1/21 AND	No		TCEP001						
		1.00	0.1, 0.2	AND	AND	AND	AND	AND	AND	AND	AND	E.1/110	110		102.001
				C179	C179	C179	C179	C179	C179	C179	C179	,			
	Icons – colour icon	R99	3.3, 3.4	C171	C171	C171	C171	C171	C171	C171	C171	E.1/21 AND	No		TCEP001
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110			
					C179										
	Text attribute – left alignment	Rel-5	4.1			C153	C153	C153	C153	C153	C153	E.1/21 AND	No		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C179	C179	C179	C179	C179	C179	E.1/217 AND			
		1										E.1/110			

	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
Text	ext attribute – center alignment	Rel-5	4.2			C154	C154 AND	C154 AND	C154 AND	C154 AND	C154	E.1/21 AND E.1/124 AND	No		TCEP001
						AND C179	C179	C179	C179	C179	AND C179	E.1/124 AND E.1/218 AND E.1/110			
T	ext attribute – right alignment	Rel-5	4.3			C155 AND	C155 AND	C155 AND	C155 AND	C155 AND	C155 AND	E.1/21 AND E.1/124 AND	No		TCEP001
						C179	C179	C179	C179	C179	C179	E.1/219 AND E.1/110			
T	ext attribute – large font size	Rel-5	4.4			C157 AND	C157 AND	C157 AND	C157 AND	C157 AND	C157 AND	E.1/21 AND E.1/124 AND	No		TCEP001
						C156	C156	C156	C156	C156	C156	E.1/221 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C179	C179	C179	C179	C179	C179	E.1/110			
Т	ext attribute – small font size	Rel-5	4.5			C158	C158	C158	C158	C158	C158	E.1/21 AND	No		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/222 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C179	C179	C179	C179	C179	C179	E.1/110			
Т	ext attribute – bold on	Rel-5	4.6			C160	C160	C160	C160	C160	C160	E.1/21 AND	No		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/226 AND			
						C179	C179	C179	C179	C179	C179	E.1/110			
Т	ext attribute – italic on	Rel-5	4.7			C161	C161	C161	C161	C161	C161	E.1/21 AND	No		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/227 AND			
Ļ		5				C179	C179	C179	C179	C179	C179	E.1/110			TOFFORM
ŀ	ext attribute – underlined on	Rel-5	4.8			C162	C162	C162	C162	C162	C162	E.1/21 AND	No		TCEP001
						AND	AND C159	AND C159	AND C159	AND C159	AND C159	E.1/124 AND E.1/225 AND			
						C159 AND	AND	AND	AND	AND	AND	E.1/228 AND E.1/228 AND			
						C179	C179	C179	C179	C179	C179	E.1/226 AND E.1/110			
F	ext attribute – strikethrough on	Rel-5	4.9			C163	C163	C163	C163	C163	C163	E.1/21 AND	No		TCEP001
Ι'	ext attribute – striketimough on	1161-3	4.5			AND	AND	AND	AND	AND	AND	E.1/124 AND	INO		TOLI 001
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/229 AND			
						C179	C179	C179	C179	C179	C179	E.1/110			
T	ext attribute- foreground and	Rel-5	4.10		†	C164	C164	C164	C164	C164	C164	E.1/21 AND	No		TCEP001
	ackground colours	1.3.5				AND	AND	AND	AND	AND	AND	E.1/124 AND			1021001
ľ						C165	C165	C165	C165	C165	C165	E.1/230 AND			
						AND	AND	AND	AND	AND	AND	E.1/231 AND			
						C179		C179	C179	C179	C179	E.1/110			

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	UCS2 display in Chinese	R99	5.1			C143 AND C179	C143 AND C179	C143 AND C179	C143 AND C179	C143 AND C179	C143 AND C179	E.1/21 AND E.1/15 AND E.1/110	No		TCEP001
	UCS2 display in Katakana	R99	6.1			C145 AND C179	C145 AND C179	C145 AND C179	C145 AND C179	C145 AND C179	C145 AND C179	E.1/21 AND E.1/15 AND E.1/110	No		TCEP001
	Frames	Rel-6	TBD									E.1/21 AND E.1/177 AND E.1/178 AND E.1/110	TBD		
	Themed and Melody tones	Rel-6	TBD									E.1/21 AND E.1/171 AND E.1/110	C138		
9	POLL INTERVAL 27.22.4.6														
	duration	R99	1.1	М	M	М	M	M	M	М	М	E.1/22	No		
10	REFRESH 27.22.4.7 USIM initialization, enabling FDN	R99	1.1	C146	C146	C146	C146	C146	C146	C146	C146	E.1/24 AND	UMTS		
	mode			AND C177 AND C178 AND C180	AND C177 AND C178 AND C180	AND C177 AND C178 AND C180	AND C177 AND C178 AND C180	AND C177 AND C178 AND C180	AND C177 AND C178 AND C180 AND C183	AND C177 AND C178 AND C180 AND C183	AND C177 AND C178 AND C180 AND C183	E.1/110 AND E.1/111	System Simulator or System Simulator only		
	file change notification of FDN file	R99	1.2	C146 AND C177 AND C178 AND C180	AND C177 AND C178 AND C180	C146 AND C177 AND C178 AND C180	C146 AND C177 AND C178 AND C180	C146 AND C177 AND C178 AND C180	C146 AND C177 AND C178 AND C180 AND C183	C146 AND C177 AND C178 AND C180 AND C183	C146 AND C177 AND C178 AND C180 AND C183	E.1/24 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		
	USIM initialization and file change notification of ADN	R99	1.3	C168 AND C177 AND C178	C168 AND C177 AND C178	C168 AND C177 AND C178	C177 AND C178	C177 AND C178	C177 AND C178	C177 AND C178	C177 AND C178	E.1/24 AND E.1/110 AND E.1/111	No		

1	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	·	lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME		0	0	0.1.0	0	0	ME		су		
	USIM initialization and full file	R99	1.4	C146	E.1/24 AND	UMTS									
	change notification, enabling FDN			AND	E.1/110 AND	System									
	mode			C177	E.1/111	Simulator									
				AND		or System									
				C178 AND		Simulator									
				C180		only									
				C 180	C180	C180	C160	C180	AND	AND	AND				
									C183	C183	C183				
ŀ	UICC reset	R99	1.5				М	М	M	M	M	E.1/24	No		
	USIM Initialization after SMS-PP	R99	1.6	C146	E.1/24 AND	UMTS									
	data download	1133	1.0	AND	E.1/110 AND	System									
	data download			C177	E.1/111	Simulator									
				AND	L.1/111	or System									
				C178		Simulator									
				AND		only									
				C180		0,									
				0.00	0.00	0.00	0.00	0.00	AND	AND	AND				
									C183	C183	C183				
f	USIM Application Reset	R99	1.7				C146	C146	C146	C146	C146	E1/24 AND	UMTS		
	11						AND	AND	AND	AND	AND	E.1/110 AND	System		
							C177	C177	C177	C177	C177	E.1/111	Simulator		
							AND	AND	AND	AND	AND		or System		
							C178	C178	C178	C178	C178		Simulator		
							AND	AND	AND	AND	AND		only		
							C180	C180	C180	C180	C180				
									AND	AND	AND				
									C183	C183	C183				
	UICC Reset for IMSI Changing procedure	R99	2.1										TBD		
Ī	USIM Application Reset for IMSI Changing procedure	R99	2.2				М	М	М	М	М	E.1/24	Yes		
f	3G Session Reset for IMSI	R99	2.3										TBD		
	Changing procedure														
	reject 3G Session Reset for IMSI	R99	2.4				C177	C177	C177	C177	C177	E 1/24 AND	UMTS		
	Changing procedure during call						AND	AND	AND	AND	AND	E.1/110 AND	System		
J	-						C178	C178	C178	C178	C178	E.1/111	Simulator		
							AND	AND	AND	AND	AND		or System		
							C180	C180	C180	C180	C180		Simulator		
									AND	AND	AND		only		
									C183	C183	C183				

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Steering of roaming, UTRAN	Rel-7	3.1					М	C184	C184	C184	E.1/24 AND E.1/236	UMTS System Simulator only		
	Steering of roaming, InterRAT	Rel-7	3.2					C167	C167 AND C184	C167 AND C184	C167 AND C184	E.1/24 AND E.1/236	UMTS System Simulator and System Simulator		
	Steering of roaming, E-UTRAN	Rel-8	3.3						C190	C190	C190	E.1/24 AND AND E.1/135 AND E.1/236	E-USS only		
11	SET UP MENU 27.22.4.8														
	Set up, menu selection, replace and remove menu	R99	1.1	C177 AND C178	E.1/30 AND E.1/4 AND E.1/110 AND E.1/111	No									
	Large menu	R99	1.2	C177 AND C178	E.1/30 AND E.1/4 AND E.1/110 AND E.1/111	No									
	help information	R99	2.1	C107 AND C177 AND C178	E.1/30 AND E.1/4 AND E.1/110 AND E.1/111	No									
	next action indicator	R99	3.1	C177 AND	C177 AND C178	E.1/30 AND E.1/110 AND E.1/111	No								
	Icons	R99	4.1, 4.2	C172 AND C177 AND C178	E.1/30 AND E.1/110 AND E.1/111	No									
	soft key access	R99	5.1	C112 AND C177 AND	C112 AND C177 AND C178	C112 AND C177 AND	C112 AND C177 AND	C112 AND C177 AND C178	C112 AND C177 AND C178	C112 AND C177 AND C178	C112 AND C177 AND C178	E.1/30 AND E.1/74 AND E.1/110 AND E.1/111	No		

	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
	Text attribute – left alignment	Rel-5	6.1	1		C153	C153	C153	C153	C153	C153	E.1/30 AND	No		
	Tont and and angliment					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/217 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
Ī	Text attribute – center alignment	Rel-5	6.2			C154	C154	C154	C154	C154	C154	E.1/30 AND	No		
	J					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/218 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
Ī	Text attribute – right alignment	Rel-5	6.3			C155	C155	C155	C155	C155	C155	E.1/30 AND	No		
	0 0					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/219 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
Ī	Text attribute – large font size	Rel-5	6.4			C157	C157	C157	C157	C157	C157	E.1/30 AND	No		
	ŭ					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/221 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
Ī	Text attribute – small font size	Rel-5	6.5			C158	C158	C158	C158	C158	C158	E.1/30 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/222 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
ſ	Text attribute – bold on	Rel-5	6.6			C160	C160	C160	C160	C160	C160	E.1/30 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/226 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
1						AND	AND	AND	AND	AND	AND	E.1/111			
					<u> </u>	C178	C178	C178	C178	C178	C178				
Ī	Text attribute – italic on	Rel-5	6.7			C161	C161	C161	C161	C161	C161	E.1/30 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/227 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				

Item	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	-	lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
	Text attribute – underlined on	Rel-5	6.8			C162	C162	C162	C162	C162	C162	E.1/30 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/228 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	Text attribute – strikethrough on	Rel-5	6.9			C163	C163	C163	C163	C163	C163	E.1/30 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/229 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	Text attribute – foreground and	Rel-5	6.10			C164	C164	C164	C164	C164	C164	E.1/30 AND	No		
	background colours					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C165	C165	C165	C165	C165	C165	E.1/230 AND			
						AND	AND	AND	AND	AND	AND	E.1/231 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
	11000 11 1 1 0 111	D00				C178	C178	C178	C178	C178	C178	E 4/00 AND			
	UCS2 display in Cyrillic	R99	7.1			C118	C118	C118	C118	C118	C118	E.1/39 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C177	C177	C177	C177 AND	C177 AND	C177 AND	E.1/110 AND			
						AND C178	AND C178	AND C178	C178	C178	C178	E.1/111			
	UCS2 display in Chinese	R99	8.1			C143	C178	C178	C178	C178	C178	E.1/39 AND	No		
	OC32 display in Chinese	Kaa	0.1			AND	AND	AND	AND	AND	AND	E.1/15 AND	INO		
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178	L.1/111			
	UCS2 display in Katakana	R99	9.1			C145	C175	C176	C176	C176	C176	E.1/39 AND	No		
	10002 diopidy in Natakaria	1133	J. 1			AND	AND	AND	AND	AND	AND	E.1/15 AND	140		
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
12	SELECT ITEM 27.22.4.9						3173	3173			3173				
	Mandatory features	R99	1.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
	Large menu	R99	1.2, 1.3,		C177	C177	C177	C177	C177	C177	C177	E.1/25 AND	No		
			1.5,1.6	AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/111			

	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
	Backwards move	R99	1.4	C177	C177	C177	C177	C177	C177	C177	C177	E.1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
					C178	C178	C178	C178	C178	C178	C178	E.1/111			
Ī	user termination	R99	1.5	C177	C177	C177	C177	C177	C177	C177	C177	E.1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
					C178	C178	C178	C178	C178	C178	C178	E.1/111			
Ī	next action indicator	R99	2.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
L				C178	C178	C178	C178	C178	C178	C178	C178	E.1/111			
•	default selected item	R99	3.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
L					C194	C194	C194	C194	C194	C194	C194				
	nelp information	R99	4.1	C107	C107	C107	C107	C107	C107	C107	C107	E 1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
L					C178	C178	C178	C178	C178	C178	C178				
	cons	R99	5.1, 5.2	C172	C172	C172	C172	C172	C172	C172	C172	E.1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
					C177	C177	C177	C177	C177	C177	C177	E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND				
Ļ					C178	C178	C178	C178	C178	C178	C178	/			
ŀ	Presentation style	R99	6.1, 6.2	C177	C177	C177	C177	C177	C177	C177	C177	E.1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND			
Ļ	- 4.4				C178	C178	C178	C178	C178	C178	C178	E.1/111			
ŀ	Soft keys	R99	7.1	C112	C112	C112	C112	C112	C112	C112	C112	E.1/25 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/73 AND			
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/110 AND			
				AND	AND	AND	AND	AND	AND	AND	AND C178	E.1/111			
ŀ	N- D	Doo	0.4		C178	C178	C178	C178	C178	C178		E 4/05 AND	NI-		
ľ	No Response from user	R99	8.1	C120	C120	C120	C120	C120	C120	C120	C120	E.1/25 AND	No		
				AND C177	AND C177	AND C177	AND C177	AND C177	AND C177	AND C177	AND C177	E.1/110 AND E.1/111			
				AND	AND	AND	AND	AND	AND	AND	AND	E. 1/ 1 1 1			
ŀ	Text attribute – left alignment	Rel-5	9.1	C178	C178	C178 C153	C178 C153	C178 C153	C178 C153	C178 C153	C178 C153	E.1/25 AND	No		
	rext attribute – iert allgriment	Kei-5	9.1			AND	AND	AND	AND	AND	AND	E.1/124 AND	INU		
						C177	C177	C177	C177	C177	C177				
ĺ						AND	AND	AND	AND	AND	AND	E.1/217 AND E.1/110 AND			
						C178	C178			C178	C178				
L						01/8	U1/8	C178	C178	U1/8	U1/8	E.1/111	1		

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1	Description	Re-	Test	Rel			Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution paramete
			(s)	ME							ME		су		
	Text attribute – center alignment	Rel-5	9.2			C154	C154	C154	C154	C154	C154	E.1/25 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/218 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
	Text attribute – right alignment	Rel-5	9.3			C155	C155	C155	C155	C155	C155	E.1/25 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C177	C177	C177	C177	C177	C177	E.1/219 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C178	C178	C178	C178	C178	C178	E.1/111			
	Text attribute – large font size	Rel-5	9.4			C157	C157	C157	C157	C157	C157	E.1/25 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/221 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	Text attribute – small font size	Rel-5	9.5			C158	C158	C158	C158	C158	C158	E.1/25 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C156	C156	C156	C156	C156	C156	E.1/222 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	Text attribute – bold on	Rel-5	9.6			C160	C160	C160	C160	C160	C160	E.1/25 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/226 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				
	Text attribute – italic on	Rel-5	9.7			C161	C161	C161	C161	C161	C161	E.1/25 AND	No		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C159	C159	C159	C159	C159	C159	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/227 AND			
						C177	C177	C177	C177	C177	C177	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C178	C178	C178	C178	C178	C178				

(e) ME C162 C162 C162 C162 C162 C162 C162 C162	Item	Description	Re- lease	Test sequence	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
Text attribute - underline on Rel-5 9.8 C162 C16			lease										Tronic		port	excountion parameter
C159 C159 C159 C159 C159 C159 C159 C159		Text attribute – underline on	Rel-5	9.8			C162	C162	C162	C162	C162	C162	E.1/25 AND	No		
AND AND AND AND AND AND C172 C177 C177 C177 C177 C177 C177 C177								AND		AND			E.1/124 AND			
C177 C178																
AND C178 C177 C17																
C178 C176 C163 E1.025 AND E1.0229 AND E1.0228 AND																
Text attribute - strikethrough on Rel-5 9.9 C163 C165													E.1/111			
AND AND AND AND AND AND E.1/124 AND AND E.1/125 AND AND AND AND E.1/125 AND AND AND AND AND E.1/125 AND AN														<u> </u>		
C159 C159 C159 C159 C159 C159 C159 C159		Text attribute – strikethrough on	Rel-5	9.9										No		
AND AND								AND		AND		AND				
C177																
AND AND AND AND AND AND E.1/111																
C178 C177																
Text attribute - foreground and background colours													E.1/111			
Dackground colours AND AND C165 C1		Toyt attribute foreground and	Dol 5	0.10									E 1/25 AND	No		
C165 C176 C177			Kei-5	9.10										INO		
AND AND		background colours														
C177 C177 C177 C177 C177 C177 C177 C177 C171 E.1/110 AND C178 C1										AND						
AND AND AND AND AND AND AND C178 C175 C177																
C178 C118																
UCS2 display in Cyrillic R99																
10.3		UCS2 display in Cyrillic	R99	10.1. 10.2.						C118			E.1/39 AND	No		
C177 C178 C177		a see anopialy in symme	1100													
AND AND AND AND C178 C177 C178 C178																
UCS2 display in Chinese R99 11.1 C143 C143 C143 C143 C143 C143 E.1/25 AND							AND			AND	AND		E.1/111			
AND AND AND AND AND AND AND AND AND E.1/110 AND E.1/111							C178									
C177 C178 C177		UCS2 display in Chinese	R99	11.1			C143				C143			No		
AND AND C178 C177 C178 C1																
C178 C145 C177																
UCS2 display in Katakana R99 12.1, 12.2, 12.3 C145 C145 C145 C145 C145 C145 C145 C145													E.1/111			
12.3 AND AND AND C177 C177 C177 C177 AND AND C178 C178																
C177 C177 C177 C177 C177 C177 C177 C177 AND AND AND AND C178 C178		UCS2 display in Katakana	R99											No		
AND AND AND AND C178 C178				12.3												
C178																
Frames Rel-6 TBD E.1/25 AND E.1/177 AND E.1/178 AND E.1/110 AND E.1/110 AND E.1/111													E.1/111			
13 SEND SMS 27.22.4.10 E.1/177 AND E.1/178 AND E.1/110 AND E.1/111		F	D-LC	TDD		-	C178	C1/8	C1/8	C178	C178	C1/8	E 4/05 AND	TDD		
13 SEND SMS 27.22.4.10 E.1/178 AND E.1/111		Frames	Kel-6	IRD										IRD		
13 SEND SMS 27.22.4.10 E.1/111																
13 SEND SMS 27.22.4.10 E.1/111																
13 SEND SMS 27.22.4.10																
	13	SEND SMS 27 22 4 10			 								L.1/111			
	.0		R99	11-18	<u> </u>											

m	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Send Short Message over CS, UTRAN/GERAN	R99	1.9	М	М	M	M	M	C183	C183	C183	E.1/26 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	UCS2 SMS in Cyrillic	R99	2.1	C118	C118	C118	C118	NA	NA	NA	NA	E.1/26 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Icons – basic icon	R99	3.1, 3.2	C108	C108	C108	C108	NA	NA	NA	NA	E.1/26 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute- left alignment	Rel-5	4.1			C153	C153	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/217 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – center alignment	Rel-5	4.2			C154	C154	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/218 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – right alignment	Rel-5	4.3			C155	C155	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/219 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – large font size	Rel-5	4.4			C157 AND C156	C157 AND C156	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

n	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Text attribute – small font size	Rel-5	4.5			C158 AND C156	C158 AND C156	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – bold on	Rel-5	4.6			C160 AND C159	C160 AND C159	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/225 AND E.1/226 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – italic on	Rel-5	4.7			C161 AND C159	C161 AND C159	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/225 AND E.1/227 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – underline on	Rel-5	4.8			C162 AND C159	C162 AND C159	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/225 AND E.1/228 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute- strikethrough on	Rel-5	4.9			C163 AND C159	C163 AND C159	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/225 AND E.1/229 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – foreground and background colours	Rel-5	4.10			C164 AND C165	C164 AND C165	NA	NA	NA	NA	E.1/26 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	UCS2 display in Chinese	R99	5.1			C143	C143	NA	NA	NA	NA	E.1/26 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	UCS2 display in Katakana	R99	6.1			C145	C145	NA	NA	NA	NA	E.1/26 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	SMS-over-IP, E-UTRAN	Rel-8	7.1						C196	C196	C196	E.1/26 AND AND E.1/110	E-USS only		TCEP001
	SMS-over-IP, UTRAN	Rel-7	7.2					C197	C197	C197	C197	E.1/26 AND AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Frames	Rel-6	TBD									E.1/26 AND E.1/177 AND E.1/178 AND E.1/110	TBD		TCEP001
14	SEND SS 27.22.4.11														
	call forward unconditional, all bearers, successful	R99	1.1	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174 AND C183	C166 AND C174 AND C183	C166 AND C174 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	call forward unconditional, all bearers, Return Error	R99	1.2	C174	C174	C174	C174	C174	C174 AND C183	C174 AND C183	C174 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	call forward unconditional, all bearers, Reject	R99	1.3	C174	C174	C174	C174	C174	C174 AND C183	C174 AND C183	C174 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	call forward unconditional, all bearers, successful, SS request size limit	R99	1.4	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174 AND C183	C166 AND C174 AND C183	C166 AND C174 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

1	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	interrogate CLIR status, successful, alpha identifier limits	R99	1.5	C175	C175	C175	C175	C175	C175 AND C183	C175 AND C183	C175 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	call forward unconditional, all bearers, successful, null data alpha identifier	R99	1.6	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174	C166 AND C174 AND C183	C166 AND C174 AND C183	C166 AND C174 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	call forward unconditional, all bearers, successful, basic icon support	R99	2.1, 2.3	AND C174	C108 AND C174	C108 AND C174	C108 AND C174	C108 AND C174	C108 AND C174 AND C183	C108 AND C174 AND C183	C108 AND C174 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	call forward unconditional, all bearers, successful, colour icon support	R99	2.2	C171 AND C174	C171 AND C174	C171 AND C174	C171 AND C174	C171 AND C174	C171 AND C174 AND C183	C171 AND C174 AND C183	C171 AND C174 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	call forward unconditional, all bearers, successful, basic icon non self-explanatory, no alpha identifier presented	R99	2.4	C185 AND C174	C185 AND C174	C185 AND C174	C185 AND C174	C185 AND C174	C185 AND C174 AND C183	C185 AND C174 AND C183	C185 AND C174 AND C183	E.1/27 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	UCS2 display in Cyrillic	R99	3.1	C118 AND C174	C118 AND C174	C118 AND C174	C118 AND C174	C118 AND C174	C118 AND C174 AND C183	C118 AND C174 AND C183	C118 AND C174 AND C183	E.1/27 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
-	Text attribute – left alignment	Rel-5	4.1			C153 AND C166 AND C174	C153 AND C166 AND C174	C153 AND C166 AND C174	C153 AND C166 AND C174 AND C183	C153 AND C166 AND C174 AND C183	C153 AND C166 AND C174 AND C183	E.1/27 AND E.1/124 AND E.1/217 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

)	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Text attribute – center alignment	Rel-5	4.2			C154 AND	C154 AND	C154 AND	C154 AND	C154 AND	C154 AND	E.1/27 AND E.1/124 AND	UMTS System		TCEP001
						C166	C166	C166	C166	C166	C166	E.1/218 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/110	or System		
						C174	C174	C174	C174	C174	C174		Simulator		
									AND	AND	AND		only		
									C183	C183	C183				
	Text attribute – right alignment	Rel-5	4.3			C155	C155	C155	C155	C155	C155	E.1/27 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C166	C166	C166	C166	C166	C166	E.1/219 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/110	or System		
						C174	C174	C174	C174	C174	C174		Simulator		
									AND	AND	AND		only		
	T	D	4.4			0457	0457	0457	C183	C183	C183	E 4/07 AND	LINATO		TOFFOOA
	Text attribute – large font size	Rel-5	4.4			C157	C157	C157	C157	C157	C157	E.1/27 AND	UMTS		TCEP001
						AND C156	AND C156	AND C156	AND C156	AND C156	AND C156	E.1/124 AND E.1/221 AND	System		
						AND	ANDC	AND	ANDC	ANDC	ANDC	E.1/221 AND E.1/220 AND	Simulator or System		
						C166	166	C166	166	166	166	E.1/220 AND E.1/110	Simulator		
						AND	AND	AND	AND	AND	AND	L. 1/ 1 10	only		
						C174	C174	C174	C174	C174	C174		Offiny		
						0174	0174	0174	AND	AND	AND				
									C183	C183	C183				
	Text attribute – small font size	Rel-5	4.5			C158	C158	C158	C158	C158	C158	E.1/27 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C156	C156	C156	C156	C156	C156	E.1/222 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/220 AND	or System		
						C166	C166	C166	C166	C166	C166	E.1/110	Simulator		
						AND	AND	AND	AND	AND	AND		only		
						C174	C174	C174	C174	C174	C174				
									AND	AND	AND				
							_		C183	C183	C183				
	Text attribute – bold on	Rel-5	4.6			C160	C160	C160	C160	C160	C160	E.1/27 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/226 AND	or System		
						C166	C166 AND	C166	C166	C166	C166 AND	E.1/110	Simulator		
						AND C174	C174	AND C174	AND C174	AND C174	C174		only		
						01/4	01/4	01/4	AND	AND	AND				
									C183	C183	C183				
	1		1	1		1	I	1	100	U103	100	I	I	1	I

1	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
-	Text attribute – italic on	Rel-5	4.7			C161	C161	C161	C161	C161	C161	E.1/27 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/227 AND	or System		
						C166	C166	C166	C166	C166	C166	E.1/110	Simulator		
						AND C174	AND C174	AND C174	AND C174	AND C174	AND C174		only		
						C174	C174	C174	AND	AND	AND				
									C183	C183	C183				
ŀ	Text attribute – underline on	Rel-5	4.8			C162	C162	C162	C162	C162	C162	E.1/27 AND	UMTS		TCEP001
	Text attribute andemine on	TKCI 0	4.0			AND	AND	AND	AND	AND	AND	E.1/124 AND	System		1021 001
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/228 AND	or System		
						C166	C166	C166	C166	C166	C166	E.1/110	Simulator		
						AND	AND	AND	AND	AND	AND		only		
						C174	C174	C174	C174	C174	C174				
									AND	AND	AND				
Ļ						_	_		C183	C183	C183				
ľ	Text attribute – strikethrough on	Rel-5	4.9			C163	C163	C163	C163	C163	C163	E.1/27 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159 AND	C159 AND	C159	C159 AND	C159 AND	C159 AND	E.1/225 AND E.1/229 AND	Simulator		
						C166	C166	AND C166	C166	C166	C166	E.1/229 AND E.1/110	or System Simulator		
						AND	AND	AND	AND	AND	AND	E. 1/110	only		
						C174	C174	C174	C174	C174	C174		Offiny		
						0174	0174	0174	AND	AND	AND				
									C183	C183	C183				
F	Text attribute – foreground and	Rel-5	4.10			C164	C164	C164	C164	C164	C164	E.1/27 AND	UMTS		TCEP001
	background colours					AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C165	C165	C165	C165	C165	C165	E.1/230 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/231 AND	or System		
						C166	C166	C166	C166	C166	C166	E.1/110	Simulator		
						AND	AND	AND	AND	AND	AND		only		
						C174	C174	C174	C174	C174	C174				
									AND C183	AND C183	AND C183				
ŀ	UCS2 display in Chinese	R99	5.1	-		C143	C143	C143	C183	C183	C183	E.1/27 AND	UMTS		TCEP001
- ['	0002 display in Chillese	LAA	3.1			AND	AND	AND	AND	AND	AND	E.1/27 AND E.1/15 AND	System		ICEFUUI
						C166	C166	C166	C166	C166	C166	E.1/13 AND E.1/110	Simulator		
						AND	AND	AND	AND	AND	AND	2.1/110	or System		
						C174	C174	C174	C174	C174	C174		Simulator		
								• • • •	AND	AND	AND		only		
		1							C183	C183	C183				

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	UCS2 display in Katakana	R99	6.1			C145 AND C166 AND C174	C145 AND C166 AND C174	C145 AND C166 AND C174	C145 AND C166 AND C174 AND C183	C145 AND C166 AND C174 AND C183	C145 AND C166 AND C174 AND C183	E.1/27 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
15	SEND USSD 27.22.4.12	D00							0.400	0.400	0400	E 4/00 AND			TOFFOOA
	7-bit data, successful	R99	1.1	M	M	M	M	M	C183	C183	C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	8-bit data, successful	R99	1.2	M	М	M	M	M	C183	C183	C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	UCS2 data, successful	R99	1.3	M	M	M	M	M	C183	C183	C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	7-bit data, unsuccessful	R99	1.4	M	M	M	M	M	C183	C183	C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	7-bit data, unsuccessful	R99	1.5	M	M	M	M	M	C183	C183	C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	256 octets, 7-bit data, successful, long alpha identifier	R99	1.6	M	M	M	M	M	C183	C183	C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	7-bit data, successful, no alpha identifier	R99	1.7	M	М	M	M	M	C183	C183	C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		
	7-bit data, successful, null length alpha identifier	R99	1.8	M	M	M	M	M	C183	C183	C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Icons – basic icon	R99	2.1, 2.3	C108	C108		C108	C108	C108 AND C183	C108 AND C183	C108 AND C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Icons – colour icon	R99	2.2	C186	C186	C186	C186	C186	C186 AND C183	C186 AND C183	C186 AND C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	7-bit data, basic icon non self- explanatory, no alpha identifier presented	R99	2.4	C187	C187	C187	C187	C187	C187 AND C183	C187 AND C183	C187 AND C183	E.1/28 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	UCS2 in Cyrillic	R99	3.1	C118	C118	C118	C118	C118	C118 AND C183	C118 AND C183	C118 AND C183	E.1/28 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – left alignment	Rel-5	4.1			C153	C153	C153	C153 AND C183	C153 AND C183	C153 AND C183	E.1/28 AND E.1/124 AND E.1/217 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

ı	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Text attribute – center alignment	Rel-5	4.2			C154	C154	C154	C154 AND C183	C154 AND C183	C154 AND C183	E.1/28 AND E.1/124 AND E.1/218 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
-	Text attribute – right alignment	Rel-5	4.3			C155	C155	C155	C155 AND C183	C155 AND C183	C155 AND C183	E.1/28 AND E.1/124 AND E.1/219 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
Ī	Text attribute – large font size	Rel-5	4.4			C157 AND C156	C157 AND C156	C157 AND C156	C157 AND C156 AND C183	C157 AND C156 AND C183	C157 AND C156 AND C183	E.1/28 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – small font size	Rel-5	4.5			C158 AND C156	C158 AND C156	C158 AND C156	C158 AND C156 AND C183	C158 AND C156 AND C183	C158 AND C156 AND C183	E.1/28 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – bold on	Rel-5	4.6			C160 AND C159	C160 AND C159	C160 AND C159	C160 AND C159 AND C183	C160 AND C159 AND C183	C160 AND C159 AND C183	E.1/28 AND E.1/124 AND E.1/225 AND E.1/226 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – italic on	Rel-5	4.7			C161 AND C159	C161 AND C159	C161 AND C159	C161 AND C159 AND C183	C161 AND C159 AND C183	C161 AND C159 AND C183	E.1/28 AND E.1/124 AND E.1/225 AND E.1/227 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – underline on	Rel-5	4.8			C162 AND C159	C162 AND C159	C162 AND C159	C162 AND C159 AND C183	C162 AND C159 AND C183	C162 AND C159 AND C183	E.1/28 AND E.1/124 AND E.1/225 AND E.1/228 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Text attribute – strikethrough on	Rel-5	4.9			C163 AND C159	C163 AND C159	C163 AND C159	C163 AND C159 AND C183	C163 AND C159 AND C183	C163 AND C159 AND C183	E.1/28 AND E.1/124 AND E.1/225 AND E.1/229 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – foreground and background colours	Rel-5	4.10			C164 AND C165	C164 AND C165	C164 AND C165	C164 AND C165 AND C183	C164 AND C165 AND C183	C164 AND C165 AND C183	E.1/28 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	UCS2 in Chinese	R99	5.1			C143	C143	C143	C143 AND C183	C143 AND C183	C143 AND C183	E.1/28 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	UCS2 in Katakana	R99	6.1			C145	C145	C145	C145 AND C183	C145 AND C183	C145 AND C183	E.1/28 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
16	SET UP CALL 27.22.4.13												01.1.9		
	Call confirmed by the user and connected	R99	1.1	C177 AND C178 AND C180	C177 AND C178 AND C180	C177 AND C178 AND C180	C177 AND C178 AND C180	C177 AND C178 AND C180	C177 AND C178 AND C180 AND C183	C177 AND C178 AND C180 AND C183	C177 AND C178 AND C180 AND C183	E.1/29 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		
	call rejected by the user	R99	1.2	C177 AND C178 AND C180	C177 AND C178 AND C180	C177 AND C178 AND C180	C177 AND C178 AND C180	C177 AND C178 AND C180	C177 AND C178 AND C180 AND C183	C177 AND C178 AND C180 AND C183	C177 AND C178 AND C180 AND C183	E.1/29 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		
I	void				l							E.1/29			

1	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су		
	putting all other calls on hold, ME	R99	1.4	C170	C170	C170	C170	C170	C170	C170	C170	E.1/29 AND	UMTS		
	busy			AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		or System		
				C178	C178	C178	C178	C178	C178	C178	C178		Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		only		
				C180	C180	C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
ŀ	dia anno actiono all'attenua alla NAT	Doo	4.5	0477	0477	0477	0477	0477	C183	C183	C183	E 4/00 AND	LIMITO		
	disconnecting all other calls, ME	R99	1.5	C177	C177	C177	C177	C177	C177	C177	C177	E.1/29 AND	UMTS		
	busy			AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		or System		
				C180	C180	C180	C180	C180	C180	C180 AND	C180 AND		Simulator		
									AND C183	C183	C183		only		
ŀ	only if not currently busy on	R99	1.6	C177	C177	C177	C177	C177	C177	C177	C177	E.1/29 AND	UMTS		
	another call, ME busy	K99	1.6	AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
	another call, ME busy			C178	C178	C178	C178	C178	C178	C178	C178	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND	L. 1/ 1 1 1	or System		
				C180	C180	C180	C180	C180	C180	C180	C180		Simulator		
				C 100	C 100	0100	0100	C 100	AND	AND	AND		only		
									C183	C183	C183		Offiny		
ŀ	putting all other calls on hold, call	R99	1.7	C170	C170	C170	C170	C170	C170	C170	C170	E.1/29 AND	UMTS		
	hold is not allowed	1133	1.7	AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
	noid to not dilowed			C177	C177	C177	C177	C177	C177	C177	C177	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND	2.17111	or System		
				C178	C178	C178	C178	C178	C178	C178	C178		Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		only		
				C180	C180	C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
									C183	C183	C183				
ſ	Capability configuration	R99	1.8	C101	C101	C101	C101	C101	C101	C101	C101	E.1/29 AND	UMTS		
		1		AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
		1		C177	C177	C177	C177	C177	C177	C177	C177	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		or System		
				C178	C178	C178	C178	C178	C178	C178	C178		Simulator		
J		1		AND	AND	AND	AND	AND	AND	AND	AND		only		
				C180	C180	C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
									C183	C183	C183				

Item	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су		
	long dialling number string	R99	1.9	C177	C177	C177	C177	C177	C177	C177	C177	E.1/29 AND	UMTS		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		or System		
				C180	C180	C180	C180	C180	C180	C180	C180		Simulator		
									AND	AND	AND		only		
									C183	C183	C183				
	long first alpha identifier	R99	1.10	C177	C177	C177	C177	C177	C177	C177	C177	E.1/29 AND	UMTS		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		or System		
				C180	C180	C180	C180	C180	C180	C180	C180		Simulator		
									AND	AND	AND		only		
							_		C183	C183	C183				
	Called party subaddress	R99	1.11	C124	C124	C124	C124	C124	C124	C124	C124	E.1/29 AND	UMTS		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		or System		
				C178	C178	C178	C178	C178	C178	C178	C178		Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		only		
				C180	C180	C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
							_		C183	C183	C183				
	maximum duration for the redial	R99	1.12	C119	C119	C119	C119	C119	C119	C119	C119	E.1/29 AND	UMTS		
	mechanism			AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	System		
				C177	C177	C177	C177	C177	C177	C177	C177	E.1/111	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		or System		
				C178	C178	C178	C178	C178	C178	C178	C178		Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND		only		
				C180	C180	C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
							_		C183	C183	C183				
	second alpha identifier	R99	2.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/29 AND	UMTS		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/63 AND	System		
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/110 AND	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/111	or System		
				C180	C180	C180	C180	C180	C180	C180	C180		Simulator		
									AND	AND	AND		only		
		1							C183	C183	C183				

Item	Description	Re- lease	Test sequence	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
		loase	(s)	ME				""-	""-		ME	Tronic	су	port	excountry parameter
	Icons – basic icon	R99	3.1,3.2, 3.4	C108	E.1/29 AND	UMTS									
				AND	E.1/110 AND	System									
				C177	E.1/111	Simulator									
				AND		or System									
				C178 AND		Simulator only									
				C180		Offig									
				C 180	C 160	C180	C 160	C 160	AND	AND	AND				
									C183	C183	C183				
	Icons – colour icon	R99	3.3	C171	E.1/29 AND	UMTS									
			0.0	AND	E.1/110 AND	System									
				C177	E.1/111	Simulator									
				AND		or System									
				C178		Simulator									
				AND		only									
				C180											
									AND	AND	AND				
	T	D 15	4.4			0450	0450	0450	C183	C183	C183	E 4/00 AND	LINATO		
	Text attribute – left alignment	Rel-5	4.1			C153 AND	C153 AND	C153 AND	C153 AND	C153 AND	C153 AND	E.1/29 AND E.1/124 AND	UMTS		
						C177	C177	C177	C177	C177	C177	E.1/124 AND E.1/217 AND	System Simulator		
						AND	AND	AND	AND	AND	AND	E.1/217 AND E.1/110 AND	or System		
						C178	C178	C178	C178	C178	C178	E.1/111	Simulator		
						AND	AND	AND	AND	AND	AND	2.1/111	only		
						C180	C180	C180	C180	C180	C180		,		
									AND	AND	AND				
									C183	C183	C183				
	Text attribute – center alignment	Rel-5	4.2			C154	C154	C154	C154	C154	C154	E.1/29 AND	UMTS		
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C177	C177	C177	C177	C177	C177	E.1/218 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/110 AND	or System		
						C178	C178	C178	C178	C178	C178	E.1/111	Simulator		
						AND C180	AND C180	AND C180	AND C180	AND C180	AND C180		only		
						C100	C 160	C 100	AND	AND	AND				
									C183	C183	C183				

n	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	-	lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су		
	Text attribute – right alignment	Rel-5	4.3			C155	C155	C155	C155	C155	C155	E.1/29 AND	UMTS		
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C177	C177	C177	C177	C177	C177	E.1/219 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/110 AND	or System		
						C178	C178	C178	C178	C178	C178	E.1/111	Simulator		
						AND	AND	AND	AND	AND	AND		only		
						C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
									C183	C183	C183				
	Text attribute – large font size	Rel-5	4.4			C157	C157	C157	C157	C157	C157	E.1/29 AND	UMTS		
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C156	C156	C156	C156	C156	C156	E.1/221 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/220 AND	or System		
						C177	C177	C177	C177	C177	C177	E.1/110 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/111	only		
						C178	C178	C178	C178	C178	C178				
						AND	AND	AND	AND	AND	AND				
						C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
									C183	C183	C183				
	Text attribute – small font size	Rel-5	4.5			C158	C158	C158	C158	C158	C158	E.1/29 AND	UMTS		
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C156	C156	C156	C156	C156	C156	E.1/222 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/220 AND	or System		
						C177	C177	C177	C177	C177	C177	E.1/110 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/111	only		
						C178	C178	C178	C178	C178	C178				
						AND	AND	AND	AND	AND	AND				
						C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
									C183	C183	C183				
	Text attribute – bold on	Rel-5	4.6			C160	C160	C160	C160	C160	C160	E.1/29 AND	UMTS		
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/226 AND	or System		
						C177	C177	C177	C177	C177	C177	E.1/110 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/111	only		
						C178	C178	C178	C178	C178	C178				
						AND	AND	AND	AND	AND	AND				
						C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
		1							C183	C183	C183		1		

1	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Text attribute – italic on	Rel-5	4.7			C161	C161	C161	C161	C161	C161	E.1/29 AND	UMTS		
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/227 AND	or System		
						C177	C177	C177	C177	C177	C177	E.1/110 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/111	only		
						C178	C178	C178	C178	C178	C178				
						AND	AND	AND	AND	AND	AND				
						C180	C180	C180	C180	C180	C180				
									AND	AND	AND				
Į.									C183	C183	C183				
	Text attribute – underline on	Rel-5	4.8			C162	C162	C162	C162	C162	C162	E.1/29 AND	UMTS		
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/228 AND	or System		
						C177	C177	C177	C177	C177	C177	E.1/110 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/111	only		
						C178	C178	C178	C178	C178	C178				
						AND	AND	AND	AND	AND	AND				
						C180	C180	C180	C180	C180	C180				
									AND C183	AND C183	AND C183				
ŀ	Taxt attribute atribathrough an	Rel-5	4.9			C162	C163	C163	C163	C163	C163	E.1/29 AND	UMTS		
	Text attribute – strikethrough on	Rei-5	4.9			C163 AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/124 AND E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/229 AND	or System		
						C177	C177	C177	C177	C177	C177	E.1/110 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/111	only		
						C178	C178	C178	C178	C178	C178	L. 1/ 1 1 1	Offig		
						AND	AND	AND	AND	AND	AND				
						C180	C180	C180	C180	C180	C180				
						0100	0100	0100	AND	AND	AND				
									C183	C183	C183				
ŀ	Text attribute – foreground and	Rel-5	4.10			C164	C164	C164	C164	C164	C164	E.1/29 AND	UMTS		
	background colours					AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
ľ						C165	C165	C165	C165	C165	C165	E.1/230 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/231 AND	or System		
						C177	C177	C177	C177	C177	C177	E.1/110 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/111	only		
						C178	C178	C178	C178	C178	C178	,	,		
						AND	AND	AND	AND	AND	AND				
						C180	C180	C180	C180	C180	C180				
							0.00		AND	AND	AND				
									C183	C183					

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	UCS2 Display in Cyrillic	R99	5.1, 5.2.			C118 AND C177 AND C178 AND C180	C118 AND C177 AND C178 AND C180	C118 AND C177 AND C178 AND C180	C118 AND C177 AND C178 AND C180 AND	C118 AND C177 AND C178 AND C180 AND	C118 AND C177 AND C178 AND C180 AND	E.1/29 AND E.1/15 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		
	UCS2 display in Chinese	R99	6.1, 6.2			C143 AND C177 AND C178 AND C180	C143 AND C177 AND C178 AND C180	C143 AND C177 AND C178 AND C180	C183 C143 AND C177 AND C178 AND C180 AND C183	C183 C143 AND C177 AND C178 AND C180 AND C183	C183 C143 AND C177 AND C178 AND C180 AND C183	E.1/29 AND E.1/15 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		
	UCS2 display in Katakana	R99	7.1, 7.2			C145 AND C177 AND C178 AND C180	C145 AND C177 AND C178 AND C180	C145 AND C177 AND C178 AND C180	C145 AND C177 AND C178 AND C180 AND C183	C145 AND C177 AND C178 AND C180 AND C183	C145 AND C177 AND C178 AND C180 AND C183	E.1/29 AND E.1/15 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		
	Frames	Rel-6	TBD									E.1/29 AND E.1/177 AND E.1/178 AND E.1/110 AND E.1/111	TBD		
17	POLLING OFF 27.22.4.14 POLLING OFF	R99	1.1	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/23	UMTS System Simulator or System Simulator only		
18	POLLING OFF, E-UTRAN PROVIDE LOCAL INFORMATION	Rel-8	1.2						C190	C190	C190	E.1/23	E-USS only		
	27.22.4.15 location information	R99	1.1	M	M	M	М	M	М	M	M	E.1/31	Yes		AER003

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	IMEI	R99	1.2	М	М	М	М	М	М	М	М	E.1/31	Yes		
	network measurement results and BCCH channel list	R99	1.3	C167	C167	C167	C167	C167	C167	C167	C167	E.1/32 AND E.1/67	System Simulator only		
	Date, time and time zone	R99	1.4	M	М	М	М	М	М	М	М	E.1/59	No		
	language setting	R99	1.5	M	M	M	M	M	M	M	M	E.1/68	No		
	Timing advance	R99	1.6	C167	C167	C167	C167	C167	C167	C167	C167	E.1/69	System Simulator only		
	Access Technology	Rel-4	1.7				М	М	C184	C184	C184	E.1/72	UMTS System Simulator only		AER004
	Void												Orny		
	IMEISV	Rel-6	1.9				М	М	М	М	М	E.1/143	Yes		
	Network Search Mode	Rel-6	1.10							М	М	E.1/144	No		
	Charge State of the Battery	Rel-6	1.11				C139	C139	C139	C139	C139	E.1/170	No		
	Intra-frequency UTRAN measurements	Rel-6	1.12				M	M	C184	C184	C184	E.1/183	UMTS System Simulator only		
	Inter-frequency UTRAN measurements	Rel-6	1.13				M	M	C184	C184	C184	E.1/183	UMTS System Simulator only		
	Access Technology, E-UTRAN	Rel-8	1.14						C190	C190	C190	E.1/72	E-USS only		
	E-UTRAN Intra-Frequency Measurements	Rel-8	1.15						C190	C190	C190	E.1/183	E-USS only		
	E-UTRAN Intrer-Frequency Measurements	Rel-8	1.16						C190	C190	C190	E.1/183	E-USS only		
	E-UTRAN Local Info (MCC, MNC, TAC & E-UTRAN Cell ID)	Rel-8	1.17						C190	C190	C190	E.1/31 AND E.1/135	E-USS only		
	Discovery of surrounding CSG cells	Rel-9	1.18							C195	C195	E.1/242	E-USS only		
	Location Information for multiple Access Technologies	Rel-8	1.19						TBD	TBD	TBD	TBD	TBD		
	NMR for multiple Access Technologies	Rel-8	1.20						TBD	TBD	TBD	TBD	TBD		
19	Current access technologies, multiple Access Technologies SET UP EVENT LIST	Rel-8	1.21						TBD	TBD	TBD	TBD	TBD		
19	27.22.4.16														

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Set up call connected event	R99	1.1	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/33 AND E.1/35	UMTS System Simulator or System Simulator only		
	Replace by new event list	R99	1.2	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/33 AND E.1/35 AND E.1/36	UMTS System Simulator or System Simulator only		
	Remove event	R99	1.3		C180		C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/33 AND E.1/35	UMTS System Simulator or System Simulator only		
	Remove Event on ME Power Cycle	R99	1.4	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/33 AND E.1/35	UMTS System Simulator or System Simulator only		
20	PERFORM CARD APDU 27.22.4.17														
	Additional card inserted, Select MF and Get Response	R99	1.1	C109	C109	C109	C109	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			C109		C109	C109	C109	C109	C109	E.1/51	No		
	Additional card inserted, card powered off	R99	1.3		C109		C109	C109	C109	C109	C109	E.1/51	No		
	No card inserted, card powered off	R99	1.4	C109	C109	C109	C109	C109	C109	C109	C109	E.1/51	No		
	Invalid card reader identifier	R99	1.5		C109		C109	C109	C109	C109	C109	E.1/51	No		
	Detachable reader	R99	2.1	C116	C116	C116	C116	C116	C116	C116	C116	E.1/51	No		
21	POWER OFF CARD 27.22.4.18	Dec	4.1	0400	0400	0400	0400	0400	0400	0400	0400	F 4/50	.	ļ	
	Additional card inserted	R99	1.1			C109	C109	C109 C109	C109	C109 C109	C109	E.1/50	No		
	No card inserted Detachable reader	R99 R99	1.2 2.1		C109 C116	C109	C109 C116	C109	C109 C116	C109	C109 C116	E.1/50 E.1/50	No No		
22	POWER ON CARD 27.22.4.19	K99	۷.۱	0110	CIIO	0110	0110	0110	CIIO	0110	0110	E. 1/5U	INU	-	
	Additional card inserted	R99	1.1	C109	C109	C109	C109	C109	C109	C109	C109	E.1/49	No	<u> </u>	
	No ATR	R99	1.2			C109		C109	C109	C109		E.1/49	No		

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	No card inserted	R99		C109	C109	C109	C109	C109	C109	C109	C109	E.1/49	No		
	Detachable reader	R99	2.1	C116	C116	C116	C116	C116	C116	C116	C116	E.1/49	No		
23	GET READER STATUS 27.22.4.20														
	Additional card inserted, card powered	R99				C109	C109	C109	C109	C109	C109	E.1/52	No		
	Additional card inserted, card not powered	R99			C109		C109	C109	C109	C109	C109	E.1/52	No		
	Additional card inserted, card not present	R99	1.3		C109	E.1/52	No								
	Detachable reader	R99	2.1	C116	C116	C116	C116	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	M	M	M	М	М	M	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	M	M	М	М	M	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	M	М	М	М	М	М	E.1/57 AND E.1/58	No		
	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	M	М	М	M	M	M	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	М	М	М	М	М	М	E.1/57 AND E.1/58	No		
	Start 8 timers successfully	R99	1.6	М	М	М	М	М	М	М	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	М	М	М	М	E.1/6 AND E.1/57	No		
	USIM application toolkit busy	R99	2.2	M	М	М	М	М	М	М	М	E.1/6 AND E.1/57 AND E.1/20	No		
26	SET UP IDLE MODE TEXT 27.22.4.22														

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Display idle mode text	R99	1.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/110	Yes		
	Replace idle mode text	R99	1.2	C177	C177	C177	C177	C177	C177	C177	C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/110	Yes		
	Remove idle mode test	R99	1.3		C177		C177	C177	C177	C177	C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/110	Yes		
	Competing information on ME display	R99	1.4	C177 AND C179 AND C180	C177 AND C179 AND C180	C177 AND C179 AND C180	C177 AND C179 AND C180	C177 AND C179 AND C180	C177 AND C179 AND C180 AND C183	C177 AND C179 AND C180 AND C183	C177 AND C179 AND C180 AND C183	E.1/61 AND E.1/33 AND E.1/39 AND E.1/110	UMTS System Simulator or System Simulator only		
	ME powered cycled	R99	1.5	C177	C177	C177	C177	C177	C177	C177	C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/110	Yes		
	Refresh with USIM initialization	R99	1.6	C177	C177	C177	C177	C177	C177	C177	C177	E.1/61 AND E.1/24 AND E.1/33 AND E.1/39 AND E.1/110	Yes		
	Large text string	R99	1.7		C177		C177	C177	C177	C177	C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/110	Yes		
	Icons – basic icon	R99	2.1, 2.2	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	C108 AND C177	E.1/61 AND E.1/39 AND E.1/110	Yes		
	Icons – colour icon	R99	2.3	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	C171 AND C177	E.1/61 AND E.1/39 AND E.1/110	Yes		
	Icon is not self-explanatory, empty text string	R99	2.4	C188 AND C177	C188 AND C177	C188 AND C177	C188 AND C177	C188 AND C177	C188 AND C177	C188 AND C177	C188 AND C177	E.1/61 AND E.1/39 AND E.1/110	Yes		

1	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	UCS2 display in Cyrillic	R99	3.1	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	C118 AND C177	E.1/61 AND E.1/15 AND E.1/39 AND E.1/110	Yes		
	Text attribute – left alignment	Rel-5	4.1			C153 AND C177	C153 AND C177	C153 AND C177	C153 AND C177	C153 AND C177	C153 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/217 AND E.1/110	Yes		
	Text attribute – center alignment	Rel-5	4.2			C154 AND C177	C154 AND C177	C154 AND C177	C154 AND C177	C154 AND C177	C154 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/218 AND E.1/110	Yes		
	Text attribute – right alignment	Rel-5	4.3			C155 AND C177	C155 AND C177	C155 AND C177	C155 AND C177	C155 AND C177	C155 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/219 AND E.1/110	Yes		
	Text attribute – large font size	Rel-5	4.4			C157 AND C156 AND C177	C157 AND C156 AND C177	C157 AND C156 AND C177	C157 AND C156 AND C177	C157 AND C156 AND C177	C157 AND C156 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110	Yes		
	Text attribute – small font size	Rel-5	4.5			C158 AND C156 AND C177	C158 AND C156 AND C177	C158 AND C156 AND C177	C158 AND C156 AND C177	C158 AND C156 AND C177	C158 AND C156 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110	Yes		
	Text attribute – bold on	Rel-5	4.6			C160 AND C159 AND C177	C160 AND C159 AND C177	C160 AND C159 AND C177	C160 AND C159 AND C177	C160 AND C159 AND C177	C160 AND C159 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/225 AND E.1/226 AND E.1/110	Yes		

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Text attribute – italic on	Rel-5	4.7			C161 AND C159 AND C177	C161 AND C159 AND C177	C161 AND C159 AND C177	C161 AND C159 AND C177	C161 AND C159 AND C177	C161 AND C159 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/225 AND E.1/227 AND E.1/110	Yes		
	Text attribute – underline on	Rel-5	4.8			C162 AND C159 AND C177	C162 AND C159 AND C177	C162 AND C159 AND C177	C162 AND C159 AND C177	C162 AND C159 AND C177	C162 AND C159 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/225 AND E.1/228 AND E.1/110	Yes		
	Text attribute – strikethrough on	Rel-5	4.9			C163 AND C159 AND C177	C163 AND C159 AND C177	C163 AND C159 AND C177	C163 AND C159 AND C177	C163 AND C159 AND C177	C163 AND C159 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/225 AND E.1/229 AND E.1/110	Yes		
	Text attribute – foreground and background colours	Rel-5	4.10			C164 AND C165 AND C177	C164 AND C165 AND C177	C164 AND C165 AND C177	C164 AND C165 AND C177	C164 AND C165 AND C177	C164 AND C165 AND C177	E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110	Yes		
	UCS2 display in Chinese	R99	5.1			C143 AND C177	C143 AND C177	C143 AND C177	C143 AND C177	C143 AND C177	C143 AND C177	E.1/61 AND E.1/15 AND E.1/39 AND E.1/110	Yes		
	UCS2 display in Katakana	R99	6.1			C145 AND C177	C145 AND C177	C145 AND C177	C145 AND C177	C145 AND C177	C145 AND C177	E.1/61 AND E.1/15 AND E.1/39 AND E.1/110	Yes		
	Frames	Rel-6	TBD									E.1/61 AND E.1/177 AND E.1/178 AND E.1/110	TBD		
27	RUN AT COMMAND27.22.4.23			0.15	0.15				0117		0.1.5	/	ļ		
	No alpha Identifier	R99	1.1		C110		C110	C110	C110	C110	C110	E.1/62	No		
1	null data alpha identifier presented	R99	1.2	C110	C110	C110	C110	C110	C110	C110	C110	E.1/62	No		

1	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	•	lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су	-	-
	alpha identifier presented	R99	1.3	C110	C110	C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
	•			AND	AND	AND	AND	AND	AND	AND	AND	E.1/110			
					C177	C177	C177	C177	C177	C177	C177				
	Icons – basic icon	R99	2.1, 2.3	C114	C114	C114	C114	C114	C114	C114	C114	E.1/62 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110			
					C177	C177	C177	C177	C177	C177	C177				
	Icons – colour icon	R99	2.2, 2.4,	C173	C173	C173	C173	C173	C173	C173	C173	E.1/62 AND	No		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110			
					C177	C177	C177	C177	C177	C177	C177				
	basic icon non self-explanatory, no	R99	2.5	C189	C189	C189	C189	C189	C189	C189	C189	E.1/62 AND	No		
	alpha identifier presented			AND	AND	AND	AND	AND	AND	AND	AND	E.1/110			
				C177	C177	C177	C177	C177	C177	C177	C177				
	Text attribute – left alignment	Rel-5	3.1			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
	•					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C153	C153	C153	C153	C153	C153	E.1/217 AND			
						AND	AND	AND	AND	AND	AND	E.1/110			
						C177	C177	C177	C177	C177	C177				
	Text attribute – center alignment	Rel-5	3.2			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
						AND	ANDC	AND	AND	AND	AND	E.1/124 AND			
						C154	154	C154	C154	C154	C154	E.1/218 AND			
						AND	AND	AND	AND	AND	AND	E.1/110			
						C177	C177	C177	C177	C177	C177				
	Text attribute – right alignment	Rel-5	3.3			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
						AND	ANDC	AND	AND	AND	AND	E.1/124 AND			
						C155	155	C155	C155	C155	C155	E.1/219 AND			
						AND	AND	AND	AND	AND	AND	E.1/110			
						C177	C177	C177	C177	C177	C177				
	Text attribute – large font size	Rel-5	3.4			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
						AND	ANDC	AND	AND	AND	AND	E.1/124 AND			
						C157	157A	C157	C157	C157	C157	E.1/221 AND			
						AND	ND	AND	AND	AND	AND	E.1/220 AND			
						C156	C156	C156	C156	C156	C156	E.1/110			
						AND	AND	AND	AND	AND	AND				
	T	D : -	0.5	ļ		C177	C177	C177	C177	C177	C177	E 4/00 115	. ,		
	Text attribute – small font size	Rel-5	3.5			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
						AND	ANDC	AND	AND	AND	AND	E.1/124 AND			
						C158	158A	C158	C158	C158	C158	E.1/222 AND			
						AND	ND	AND	AND	AND	AND	E.1/220 AND			
						C156	C156	C156	C156	C156	C156	E.1/110			
						AND	AND	AND	AND	AND	AND				
		1		1	1	C177	C177	C177	C177	C177	C177		I	1	

	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
+	Text attribute – bold on	Rel-5	3.6			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
						AND	ANDC	AND	AND	AND	AND	E.1/124 AND			
						C160	160	C160	C160	C160	C160	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/226 AND			
						C159	C159	C159	C159	C159	C159	E.1/110			
						AND	AND	AND	AND	AND	AND				
L						C177	C177	C177	C177	C177	C177				
ľ	Text attribute – italic on	Rel-5	3.7			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
						AND	ANDC	AND	AND	AND	AND	E.1/124 AND			
						C161	161	C161	C161	C161	C161	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/227 AND			
						C159	C159	C159	C159	C159	C159	E.1/110			
						AND C177	AND C177	AND C177	AND C177	AND C177	AND C177				
ŀ	Text attribute – underline on	Rel-5	3.8			C110	C1110	C110	C110	C1110	C1110	E.1/62 AND	No	+	
	Text attribute – underline on	Kel-5	3.0			AND	ANDC	AND	AND	AND	AND	E.1/124 AND	INO		
						C162	162	C162	C162	C162	C162	E.1/124 AND E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/228 AND			
						C159	C159	C159	C159	C159	C159	E.1/110			
						AND	AND	AND	AND	AND	AND	2.17110			
						C177	C177	C177	C177	C177	C177				
F	Text attribute – strikethrough on	Rel-5	3.9			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
						AND	ANDC	AND	AND	AND	AND	E.1/124 AND			
						C163	163	C163	C163	C163	C163	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/229 AND			
						C159	C159	C159	C159	C159	C159	E.1/110			
						AND	AND	AND	AND	AND	AND				
L						C177	C177	C177	C177	C177	C177				
	Text attribute – foreground and	Rel-5	3.10			C110	C110	C110	C110	C110	C110	E.1/62 AND	No		
Į!	background colours					AND	ANDC	AND	AND	AND	AND	E.1/124 AND			
						C164	164	C164	C164	C164	C164	E.1/230 AND			
						AND	AND	AND	AND	AND	AND	E.1/231 AND			
						C165 AND	C165 AND	C165	C165 AND	C165 AND	C165 AND	E.1/110			
						C177	C177	AND C177	C177	C177	C177				
ŀ	UCS2 Display in Cyrillic	R99	4.1			C149	C177	C149	C149	C177	C149	E.1/62 AND	No	+	
	OCOZ DISPIAY III CYIIIIC	K99	4.1			AND	AND	AND	AND	AND	AND	E.1/62 AND E.1/15 AND	INU		
						C177	C177	C177	C177	C177	C177	E.1/110			
h	UCS2 display in Chinese	R99	5.1	1	+	C150	C177	C150	C150	C177	C177	E.1/62 AND	No	+	
ľ	CCC2 display in Orinicac	1133	0.1			AND	AND	AND	AND	AND	AND	E.1/15 AND	140		
						C177	C177	C177	C177	C177	C177	E.1/110			
ħ	UCS2 display in Katakana	R99	6.1			C151	C151	C151	C151	C151	C151	E.1/62 AND	No		
ľ	ccc alsplay in radiation		0			AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C177	C177	C177	C177	C177	C177	E.1/110			

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Frames	Rel-6	TBD									E.1/62 AND E.1/177 AND E.1/178 AND E.1/110	TBD		
28	Normal	R99	1.1	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/66	UMTS System Simulator or System Simulator		
	alpha identifier	R99	1.2, 1.3	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/66 AND E.1/110	only UMTS System Simulator or System Simulator		TCEP001
	Mobile is not in a speech call	R99	1.4	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/66	only UMTS System Simulator or System Simulator only		
	Icons – basic icon	R99	2.1, 2.3	C108 AND C180	C108 AND C180	C108 AND C180	C108 AND C180	C108 AND C180	C108 AND C180 AND C183	C108 AND C180 AND C183	C108 AND C180 AND C183	E.1/66 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Icons – colour icon	R99	2.2	C171 AND C180	C171 AND C180	C171 AND C180	C171 AND C180	C171 AND C180	C171 AND C180 AND C183	C171 AND C180 AND C183	C171 AND C180 AND C183	E.1/66 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	UCS2 display in Cyrillic	R99	3.1	C118 AND C180	C118 AND C180	C118 AND C180	C118 AND C180	C118 AND C180	C118 AND C180 AND C183	C118 AND C180 AND C183	C118 AND C180 AND C183	E.1/66 AND E.1/15 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

า	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
-	2000	lease	sequence	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen	port	execution parameter
	Text attribute – left alignment	Rel-5	(s) 4.1	IVIL		C153	C153	C153	C153	C153	C153	E.1/66 AND	cy UMTS		TCEP001
	Toxt attribute for angrimont	11010	'			AND	AND	AND	AND	AND	AND	E.1/124 AND	System		1021 001
						C180	C180	C180	C180	C180	C180	E.1/217 AND	Simulator		
									AND	AND	AND	E.1/110	or System		
									C183	C183	C183		Simulator		
													only		
	Text attribute – center alignment	Rel-5	4.2			C154	C154	C154	C154	C154	C154	E.1/66 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C180	C180	C180	C180	C180	C180	E.1/218 AND	Simulator		
									AND	AND	AND	E.1/110	or System		
									C183	C183	C183		Simulator		
						_	_		_				only		
	Text attribute – right alignment	Rel-5	4.3			C155	C155	C155	C155	C155	C155	E.1/66 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C180	C180	C180	C180	C180	C180	E.1/219 AND	Simulator		
									AND	AND	AND	E.1/110	or System		
									C183	C183	C183		Simulator		
		5.15				0.155	0455	0.455	0455	0.155	0.155	E 4/00 AND	only		TOFFOOA
	Text attribute – large font size	Rel-5	4.4			C157	C157	C157	C157	C157	C157	E.1/66 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C156	C156	C156	C156	C156	C156	E.1/221 AND	Simulator		
						AND C180	AND C180	AND C180	AND C180	AND C180	AND C180	E.1/220 AND E.1/110	or System Simulator		
						C180	C180	C180	AND	AND	AND	E.1/110			
									C183	C183	C183		only		
	Text attribute – small font size	Rel-5	4.5			C158	C158	C158	C158	C158	C158	E.1/66 AND	UMTS		TCEP001
	Text attribute	Kel-5	4.5			AND	AND	AND	AND	AND	AND	E.1/124 AND	System		ICEPOOT
						C156	C156	C156	C156	C156	C156	E.1/222 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/220 AND	or System		
						C180	C180	C180	C180	C180	C180	E.1/110	Simulator		
						0100	0100	0100	AND	AND	AND	L.1/110	only		
									C183	C183	C183		Only		
	Text attribute – bold on	Rel-5	4.6			C160	C160	C160	C160	C160	C160	E.1/66 AND	UMTS		TCEP001
		1.3.0				AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/226 AND	or System		
						C180	C180	C180	C180	C180	C180	E.1/110	Simulator		
									AND	AND	AND		only		
									C183	C183	C183				

	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
T	Text attribute – italic on	Rel-5	4.7			C161	C161	C161	C161	C161	C161	E.1/66 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/227 AND	or System		
						C180	C180	C180	C180	C180	C180	E.1/110	Simulator		
									AND	AND	AND		only		
L									C183	C183	C183				
1	Text attribute – underline on	Rel-5	4.8			C162	C162	C162	C162	C162	C162	E.1/66 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/228 AND	or System		
						C180	C180	C180	C180	C180	C180	E.1/110	Simulator		
									AND	AND	AND		only		
L									C183	C183	C183				
ľ	Text attribute – strikethrough on	Rel-5	4.9			C163	C163	C163	C163	C163	C163	E.1/66 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C159	C159	C159	C159	C159	C159	E.1/225 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/229 AND	or System		
						C180	C180	C180	C180	C180	C180	E.1/110	Simulator		
									AND	AND	AND		only		
									C183	C183	C183				
	Text attribute – foreground and	Rel-5	4.10			C164	C164	C164	C164	C164	C164	E.1/66 AND	UMTS		TCEP001
П	background colours					AND	AND	AND	AND	AND	AND	E.1/124 AND	System		
						C165	C165	C165	C165	C165	C165	E.1/230 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/231 AND	or System		
						C180	C180	C180	C180	C180	C180	E.1/110	Simulator		
									AND	AND	AND		only		
L									C183	C183	C183				
1	UCS2 display in Chinese	R99	5.1			C143	C143	C143	C143	C143	C143	E.1/66 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/15 AND	System		
						C180	C180	C180	C180	C180	C180	E.1/110	Simulator		
									AND	AND	AND		or System		
									C183	C183	C183		Simulator		
L					ļ								only	<u> </u>	
	UCS2 display in Katakana	R99	6.1			C145	C145	C145	C145	C145	C145	E.1/66 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/15 AND	System		
						C180	C180	C180	C180	C180	C180	E.1/110	Simulator		
									AND	AND	AND		or System		
									C183	C183	C183		Simulator		
L					ļ								only	<u> </u>	
	Frames	Rel-6	TBD									E.1/66 AND	TBD		
												E.1/177 AND			
												E.1/178 AND			
ı												E.1/110			

Item	Description	Re- lease	Test sequence	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
		lease	(s)	ME	IVIE	IVIE	IVIE	IVIL	IVIE	IVIE	ME	Frome	СУ	port	execution parameter
29	LANGUAGE NOTIFICATION 27.22.4.25														
	Specific language notification	R99	1.1	C181	E.1/70	No									
	Non specific language notification	R99	1.2	C181	E.1/70	No									
30	LAUNCH BROWSER 27.22.4.26														
	No session already launched:	R99	1.1		C111	E.1/71 AND	Yes								
	Connect to the default URL			AND	E.1/110 AND										
					C177	E.1/111									
				AND											
					C178										
	connect to the specified URL,	R99	1.2	C111	E.1/71 AND	Yes									
	alpha identifier length=0			AND	E.1/110 AND										
					C177	E.1/111									
				AND											
		<u> </u>			C178										
	Browser identity, no alpha identifier	R99	1.3	C111	E.1/71 AND	Yes									
				AND	E.1/110 AND										
					C177	E.1/111									
				AND											
	.6.	Doo	4.4		C178	E 4/74 AND									
	one bearer specified and	R99	1.4	C122	E.1/71 AND	Yes									
	gateway/proxy identity			AND	AND C177	AND	AND	AND	AND	AND	AND	E.1/98 AND			
				C177 AND		C177	C177 AND	C177 AND	C177 AND	C177 AND	C177 AND	E.1/110 AND E.1/111			
					AND C178	AND C178	C178	C178	C178	C178	C178	E. 1/ 1 1 1			
	void	R99	1.5	Void											
	Interaction with current session	R99	2.1, 2.2,	C111	E.1/71 AND	Yes									
	linteraction with current session	1133	2.1, 2.2,	AND	E.1/110 AND	163									
			2.3	C177	E.1/111										
				AND	L.1/111										
					C178										
	UCS2 display in Cyrillic	R99	3.1	C111	E.1/71 AND	Yes									
	Social diopidy in Syrinio	1.00	0.1	AND	E.1/15 AND	100									
				C118	E.1/110 AND										
				AND	E.1/111										
				C177											
				AND											
					C178										
	Icons – basic icon	R99	4.1, 4.2			C115	C115	C115	C115	C115	C115	E.1/71 AND	Yes		
				AND	E.1/110 AND										
					C177	E.1/111									
				AND											
				C178											

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	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	2000	lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
		10000	(s)	ME							ME		су	Post	oxecument parameter
	Text attribute – left alignment	Rel-5	5.1			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
	3 · · · · · · · · · · · · · · · · · · ·					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C153	C153	C153	C153	C153	C153	E.1/217 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C177	C177	C177	C177	C177	C177	E.1/111			
						AND	AND	AND	AND	AND	AND				
						C178	C178	C178	C178	C178	C178				
	Text attribute – center alignment	Rel-5	5.2			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
	•					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C154	C154	C154	C154	C154	C154	E.1/218 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C177	C177	C177	C177	C177	C177	E.1/111			
						AND	AND	AND	AND	AND	AND				
						C178	C178	C178	C178	C178	C178				
	Text attribute – right alignment	Rel-5	5.3			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
	3 3					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C155	C155	C155	C155	C155	C155	E.1/219 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND			
						C177	C177	C177	C177	C177	C177	E.1/111			
						AND	AND	AND	AND	AND	AND				
						C178	C178	C178	C178	C178	C178				
Ī	Text attribute – large font size	Rel-5	5.4			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
	· ·					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C157	C157	C157	C157	C157	C157	E.1/221 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C156	C156	C156	C156	C156	C156	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C177	C177	C177	C177	C177	C177				
						AND	AND	AND	AND	AND	AND				
						C178	C178	C178	C178	C178	C178				
j	Text attribute – small font size	Rel-5	5.5			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
		1				C158	C158	C158	C158	C158	C158	E.1/222 AND			
						AND	AND	AND	AND	AND	AND	E.1/220 AND			
						C156	C156	C156	C156	C156	C156	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C177	C177	C177	C177	C177	C177				
						AND	AND	AND	AND	AND	AND				
		1				C178		C178	C178	C178	C178				

Item	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су	_	-
	Text attribute – bold on	Rel-5	5.6			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C160	C160	C160	C160	C160	C160	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/226 AND			
						C159	C159	C159	C159	C159	C159	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C177	C177	C177	C177	C177	C177				
						AND	AND	AND	AND	AND	AND				
	T	5		-	-	C178	C178	C178	C178	C178	C178	E 4/24 AND	.,		
	Text attribute – italic on	Rel-5	5.7			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C161	C161	C161	C161	C161	C161	E.1/225 AND			
						AND C159	AND C159	AND C159	AND C159	AND C159	AND C159	E.1/227 AND E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/110 AND E.1/111			
						C177	C177	C177	C177	C177	C177	□.1/111			
						AND	AND	AND	AND	AND	AND				
						C178		C178	C178	C178	C178				
	Text attribute – underline on	Rel-5	5.8			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
	Text attribute andernine on	11010	0.0			AND	AND	AND	AND	AND	AND	E.1/124 AND	103		
						C162	C162	C162	C162	C162	C162	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/228 AND			
						C159	C159	C159	C159	C159	C159	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C177	C177	C177	C177	C177	C177				
						AND	AND	AND	AND	AND	AND				
						C178	C178	C178	C178	C178	C178				
	Text attribute – strikethrough on	Rel-5	5.9			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
						AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C163	C163	C163	C163	C163	C163	E.1/225 AND			
						AND	AND	AND	AND	AND	AND	E.1/229 AND			
						C159	C159	C159	C159	C159	C159	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C177	C177	C177	C177	C177	C177				
						AND	AND	AND	AND	AND	AND				
						C178	C178	C178	C178	C178	C178				

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Item	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
	Text attribute – foreground and	Rel-5	5.10			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
	background colours					AND	AND	AND	AND	AND	AND	E.1/124 AND			
						C164	C164	C164	C164	C164	C164	E.1/230 AND			
						AND	AND	AND	AND	AND	AND	E.1/231 AND			
						C165	C165	C165	C165	C165	C165	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C177	C177	C177	C177	C177	C177				
						AND	AND	AND	AND	AND	AND				
						C178	C178	C178	C178	C178	C178				
	UCS2 display in Chinese	R99	6.1			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
						AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C143		C143	C143	C143	C143	E.1/110 AND			
						AND	AND	AND	AND	AND	AND	E.1/111			
						C177	C177	C177	C177	C177	C177				
						AND	AND	AND	AND	AND	AND				
	11000 11 1 1 1 1 1	Doo				C178		C178	C178	C178	C178	E 4/24 AND	.,		
	UCS2 display in Katakana	R99	7.1			C111	C111	C111	C111	C111	C111	E.1/71 AND	Yes		
						AND	AND	AND	AND	AND	AND	E.1/15 AND			
						C145	C145	C145	C145	C145	C145	E.1/110 AND			
						AND	AND	AND C177	AND C177	AND C177	AND	E.1/111			
						C177 AND	C177 AND	AND	AND	AND	C177 AND				
						C178	C178	C178	C178	C178	C178				
	Frames	Rel-6	TBD			C176	C176	C176	C176	C176	C176	E.1/71 AND	TBD		
	riailles	Kel-0	IBD									E.1/177 AND	טפו		
												E.1/177 AND E.1/178 AND			
												E.1/110 AND			
												E.1/111			
31	OPEN CHANNEL 27.22.4.27														
	void	R99	void	Void	void	void	void	void	void	void	void	void			
	immediate link establishment,	R99	2.1	C121	C121	C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		AER001
	GPRS, no local address, no alpha								AND	AND	AND	E.1/98	System		
	identifier, no network access name								C183	C183	C183		Simulator		
													or System		
													Simulator		
													only		
	immediate link establishment	R99	2.2	C121	C121	C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		AER006
	GPRS, no alpha identifier, with								AND	AND	AND	E.1/98	System		
	network access name								C183	C183	C183		Simulator		
													or System		
													Simulator		
													only		

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	immediate link establishment, GPRS, with alpha identifier	R99	2.3	C121	C121	C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/98 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		TCEP001, TCEP002, AER005
	immediate link establishment, GPRS, with null alpha identifier	R99	2.4	C121	C121	C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/98	UMTS System Simulator or System Simulator only		TCEP001
	immediate link establishment, GPRS, command performed with modifications (buffer size)	R99	2.5			C152	C152	C152	C152 AND C183	C152 AND C183	C152 AND C183	E.1/89 AND E.1/98	UMTS System Simulator or System Simulator only		
	void immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command	void R99	2.6	Void C169	void C169	void C169	void C169	void C169	Void C169 AND C183	Void C169 AND C183	Void C169 AND C183	void E.1/89 AND E.1/98 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		TCEP001, TCEP002, AER007
	void OPEN CHANNEL, immediate link establishment, no alpha identifier, with network access name	void R99	2.8 2.9	Void	void	void	void	void	Void	Void C191 AND C183	Void C191 AND C183	void E.1/89 AND E.1/98 AND E.1/129 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		
	Multi OPEN CHANNEL, one in TCP Server mode and one in TCP Client mode.	Rel-7	2.10							C192 AND C183	C192 AND C183	E.1/89 AND E.1/98 AND E.1/129 AND E.1/131	UMTS System Simulator or System Simulator only		
	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		

Item	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
	Text attribute – left alignment	Rel-5	5.1			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
						AND	AND	AND	AND	AND	AND	E.1/98 AND	System		·
						C153	C153	C153	C153	C153	C153	E.1/124 AND	Simulator		
									AND	AND	AND	E.1/217 AND	or System		
									C183	C183	C183	E.1/110 AND	Simulator		
												E.1/111	only		
	Text attribute – center alignment	Rel-5	5.2			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
	-					AND	AND	AND	AND	AND	AND	E.1/98 AND	System		
						C154	C154	C154	C154	C154	C154	E.1/124 AND	Simulator		
									AND	AND	AND	E.1/218 AND	or System		
									C183	C183	C183	E.1/110 AND	Simulator		
												E.1/111	only		
	Text attribute – right alignment	Rel-5	5.3			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
						AND	AND	AND	AND	AND	AND	E.1/98 AND	System		
						C155	C155	C155	C155	C155	C155	E.1/124 AND	Simulator		
									AND	AND	AND	E.1/219 AND	or System		
									C183	C183	C183	E.1/110 AND	Simulator		
												E.1/111	only		
	Text attribute – large font size	Rel-5	5.4			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
						AND	AND	AND	AND	AND	AND	E.1/98 AND	System		
						C157	C157	C157	C157	C157	C157	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/221 AND	or System		
						C156	C156	C156	C156	C156	C156	E.1/220 AND	Simulator		
									AND	AND	AND	E.1/110 AND	only		
									C183	C183	C183	E.1/111			
	Text attribute – small font size	Rel-5	5.5			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
						AND	AND	AND	AND	AND	AND	E.1/98 AND	System		
						C158	C158	C158	C158	C158	C158	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/222 AND	or System		
						C156	C156	C156	C156	C156	C156	E.1/220 AND	Simulator		
									AND	AND	AND	E.1/110 AND	only		
									C183	C183	C183	E.1/111			
	Text attribute – bold on	Rel-5	5.6			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
						AND	AND	AND	AND	AND	AND	E.1/98 AND	System		
						C160	C160	C160	C160	C160	C160	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/226 AND	Simulator		
									AND	AND	AND	E.1/110 AND	only		
									C183	C183	C183	E.1/111			

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Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
T	5	(s)	ME		0404	0.10.1	0404	0404	0404	ME	E 4/00 AND	су		T050004 T050000
Text attribute – italic on	Rel-5	5.7			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
					AND	AND	AND	AND	AND	AND	E.1/98 AND	System		
					C161	C161	C161	C161	C161	C161	E.1/124 AND	Simulator		
					AND	AND	AND C159	AND C159	AND C159	AND C159	E.1/225 AND	or System		
					C159	C159	C159	AND	AND	AND	E.1/227 AND E.1/110 AND	Simulator		
								C183	C183	C183	E.1/110 AND E.1/111	only		
Text attribute – underline on	Rel-5	5.8			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
rext attribute – underline on	Kei-5	5.6			AND	AND	AND	AND	AND	AND	E.1/98 AND	System		TCEP001, TCEP002
					C162	C162	C162	C162	C162	C162	E.1/124 AND	Simulator		
					AND	AND	AND	AND	AND	AND	E.1/124 AND E.1/225 AND	or System		
					C159	C159	C159	C159	C159	C159	E.1/228 AND	Simulator		
					C139	C139	C139	AND	AND	AND	E.1/110 AND	only		
								C183	C183	C183	E.1/111	Offig		
Text attribute – strikethrough on	Rel-5	5.9			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
Text attribute – striketimough on	Kei-3	5.9			AND	AND	AND	AND	AND	AND	E.1/98 AND	System		TCEF001, TCEF002
					C163	C163	C163	C163	C163	C163	E.1/124 AND	Simulator		
					AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
					C159	C159	C159	C159	C159	C159	E.1/229 AND	Simulator		
					0133	0100	0133	AND	AND	AND	E.1/110 AND	only		
								C183	C183	C183	E.1/111	Offiny		
Text attribute – foreground and	Rel-5	5.10			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001, TCEP002
background colours	11010	0.10			AND	AND	AND	AND	AND	AND	E.1/98 AND	System		1021 001, 1021 002
baonground colours					C164	C164	C164	C164	C164	C164	E.1/124 AND	Simulator		
					AND	AND	AND	AND	AND	AND	E.1/230 AND	or System		
					C165	C165	C165	C165	C165	C165	E.1/231 AND	Simulator		
								AND	AND	AND	E.1/110 AND	only		
								C183	C183	C183	E.1/111			
Frames	Rel-6	TBD									E.1/89 AND	TBD		
											E.1/98 AND			
											E.1/177 AND			
											E.1/178 AND			
											E.1/110 AND			
											E.1/111			
Immediate link establishment, E-	Rel-8	6.1						C182	C182	C182	E.1/89 AND	E-USS		
UTRAN, bearer type '02'											E.1/135	only		
Immediate link establishment, E-	Rel-8	6.2						C182	C182	C182	E.1/89 AND	E-USS		
UTRAN, bearer type '0B'											E.1/135	only		
Immediate link establishment, E-	Rel-8	6.3						C182	C182	C182	E.1/89 AND	E-USS		TCEP001, TCEP002
UTRAN, bearer type '02', with											E.1/110 AND	only		,
Network Access Name, with alpha											E.1/111 AND			
identifier											E.1/135			

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Immediate link establishment, E- UTRAN, bearer type '03', with alpha identifier, user did not accept the proactive command	Rel-8	6.4						C182	C182	C182	E.1/89 AND E.1/110 AND E.1/111 AND E.1/135	E-USS only		
	Immediate link establishment, E- UTRAN, bearer type '03', default EPS bearer	Rel-8	6.5						C182	C182	C182	E.1/89 AND E.1/135	E-USS only		
32	CLOSE CHANNEL 27.22.4.28														
	successful	R99	1.1	C121		C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/90	UMTS System Simulator or System Simulator only		
	with an invalid channel identifier	R99	1.2	C121	C121	C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/90	UMTS System Simulator or System Simulator only		
	on an already closed channel	R99	1.3	C121	C121	C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/90	UMTS System Simulator or System Simulator only		
	Text attribute – left alignment	Rel-5	2.1			C121 AND C153	C121 AND C153	C121 AND C153	C121 AND C153 AND C183	C121 AND C153 AND C183	C121 AND C153 AND C183	E.1/89 AND E.1/90 AND E.1/124 AND E.1/217 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – center alignment	Rel-5	2.2			C121 AND C154	C121 AND C154	C121 AND C154	C121 AND C154 AND C183	C121 AND C154 AND C183	C121 AND C154 AND C183	E.1/89 AND E.1/90 AND E.1/124 AND E.1/218 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – right alignment	Rel-5	2.3			C121 AND C155	C121 AND C155	C121 AND C155	C121 AND C155 AND C183	C121 AND C155 AND C183	C121 AND C155 AND C183	E.1/89 AND E.1/90 AND E.1/124 AND E.1/219 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

1	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	•	lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су		-
-	Text attribute – large font size	Rel-5	2.4			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/90 AND	System		
						C157	C157	C157	C157	C157	C157	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/221 AND	or System		
						C156	C156	C156	C156	C156	C156	E.1/220 AND	Simulator		
									AND	AND	AND	E.1/110	only		
L									C183	C183	C183				
	Гехt attribute – small font size	Rel-5	2.5			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/90 AND	System		
						C158	C158	C158	C158	C158	C158	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/222 AND	or System		
						C156	C156	C156	C156	C156	C156	E.1/220 AND	Simulator		
									AND	AND	AND	E.1/110	only		
ŀ							2121		C183	C183	C183	/			
	Гехt attribute – bold on	Rel-5	2.6			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/90 AND	System		
						C160	C160	C160	C160	C160	C160	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/226 AND	Simulator		
									AND	AND	AND	E.1/110	only		
-	Fort attribute italia an	Dale	0.7		-	C404	C404	C404	C183	C183	C183	E 4/00 AND	LIMTO		TOE DOOA
	Гехt attribute – italic on	Rel-5	2.7			C121 AND	C121 AND	C121 AND	C121 AND	C121 AND	C121 AND	E.1/89 AND E.1/90 AND	UMTS		TCEP001
						C161	C161	C161	C161	C161	C161	E.1/124 AND	System Simulator		
						AND	AND	AND	AND	AND	AND	E.1/124 AND E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/227 AND	Simulator		
						C139	C139	C139	AND	AND	AND	E.1/110	only		
									C183	C183	C183	L.1/110	Offity		
ŀ	Text attribute – underline on	Rel-5	2.8			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
	Text attribute andernine on	11010	2.0			AND	AND	AND	AND	AND	AND	E.1/90 AND	System		1021 001
						C162	C162	C162	C162	C162	C162	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/228 AND	Simulator		
						0100	0.00	0.00	AND	AND	AND	E.1/110	only		
									C183	C183	C183		J,		
F	Text attribute – strikethrough on	Rel-5	2.9			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/90 AND	System		
						C163	C163	C163	C163	C163	C163	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/229 AND	Simulator		
									AND	AND	AND	E.1/110	only		
									C183	C183	C183		,		

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Text attribute – foreground and background colours	Rel-5	2.10			C121 AND C164 AND C165	C121 AND C164 AND C165	C121 AND C164 AND C165	C121 AND C164 AND C165 AND C183	C121 AND C164 AND C165 AND C183	C121 AND C164 AND C165 AND C183	E.1/89 AND E.1/90 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Frames	Rel-6	TBD									E.1/89 AND E.1/98 AND E.1/177 AND E.1/178 AND E.1/110	TBD		
	Default EPS bearer, successful	Rel-8	3.1						C182	C182	C182	E.1/89 AND E.1/90	E-USS only		
33	EPS bearer with APN different from default APN, successful RECEIVE DATA 27.22.4.29	Rel-8	3.2						C182	C182	C182	E.1/89 AND E.1/90	E-USS only		
	already opened channel	R99	1.1	C121	C121	C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/91 AND E.1/92	UMTS System Simulator or System Simulator only		AER008
	Text attribute – left alignment	Rel-5	2.1			C121 AND C153	C121 AND C153	C121 AND C153	C121 AND C153 AND C183	C121 AND C153 AND C183	C121 AND C153 AND C183	E.1/89 AND E.1/91 AND E.1/92 AND E.1/124 AND E.1/217 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – center alignment	Rel-5	2.2			C121 AND C154	C121 AND C154	C121 AND C154	C121 AND C154 AND C183	C121 AND C154 AND C183	C121 AND C154 AND C183	E.1/89 AND E.1/91 AND E.1/124 AND E.1/218 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Text attribute – right alignment	Rel-5	2.3			C121 AND C155	C121 AND C155	C121 AND C155	C121 AND C155 AND C183	C121 AND C155 AND C183	C121 AND C155 AND C183	E.1/89 AND E.1/91 AND E.1/124 AND E.1/219 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

m	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
	•	lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су		-
	Text attribute – large font size	Rel-5	2.4			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/91 AND	System		
						C157	C157	C157	C157	C157	C157	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/221 AND	or System		
						C156	C156	C156	C156	C156	C156	E.1/220 AND	Simulator		
									AND	AND	AND	E.1/110	only		
	Total attailers and all four aire	D-1.5	0.5			0404	0404	0404	C183	C183	C183	E 4/00 AND	LIMITO		TOFFDOOL
	Text attribute – small font size	Rel-5	2.5			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/91 AND	System		
						C158 AND	C158 AND	C158 AND	C158 AND	C158 AND	C158 AND	E.1/124 AND	Simulator		
						C156	C156	C156	C156	C156	C156	E.1/222 AND E.1/220 AND	or System Simulator		
						C156	C156	C 156	AND	AND	AND	E.1/220 AND E.1/110			
									C183	C183	C183	E. 1/110	only		
	Text attribute – bold on	Rel-5	2.6			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
	Text attribute – bold on	Kel-3	2.0			AND	AND	AND	AND	AND	AND	E.1/91 AND	System		I CEPOOT
						C160	C160	C160	C160	C160	C160	E.1/91 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/226 AND	Simulator		
						0.00	0.00	0.00	AND	AND	AND	E.1/110	only		
									C183	C183	C183	2.17110	Orny		
	Text attribute – italic on	Rel-5	2.7			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
	Toxt dampate Hallo off	110.0				AND	AND	AND	AND	AND	AND	E.1/91 AND	System		102.001
						C161	C161	C161	C161	C161	C161	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/227 AND	Simulator		
									AND	AND	AND	E.1/110	only		
									C183	C183	C183				
	Text attribute – underline on	Rel-5	2.8			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/91 AND	System		
						C162	C162	C162	C162	C162	C162	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/228 AND	Simulator		
									AND	AND	AND	E.1/110	only		
									C183	C183	C183				
	Text attribute – strikethrough on	Rel-5	2.9			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/91 AND	System		
						C163	C163	C163	C163	C163	C163	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/229 AND	Simulator		
									AND	AND	AND	E.1/110	only		
		1			1				C183	C183	C183				

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	Text attribute— foreground and background colours	Rel-5	2.10			C121 AND C164 AND C165	C121 AND C164 AND C165	C121 AND C164 AND C165	C121 AND C164 AND C165 AND C183	C121 AND C164 AND C165 AND C183	C121 AND C164 AND C165 AND C183	E.1/89 AND E.1/91 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	Frames	Rel-6	TBD									E.1/89 AND E.1/91 AND E.1/177 AND E.1/178 AND E.1/110	TBD		
	Already opened channel – E- UTRAN, APN different from default	Rel-8	1.2						C182	C182	C182	E.1/89 AND E.1/91 AND E.1/92	E-USS only		
34	SEND DATA 27.22.4.30														
	immediate mode	R99	1.1		C121	C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/92	UMTS System Simulator or System Simulator only		
	Store mode	R99	1.2	C121		C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/92	UMTS System Simulator or System Simulator only		
	Store mode, Tx buffer fully used	R99	1.3			C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/92	UMTS System Simulator or System Simulator only		
	2 consecutive SEND DATA Store mode	R99	1.4	C121	C121	C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/92	UMTS System Simulator or System Simulator only		

Item	Description	Re- lease	Test sequence	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
		iouoo	(s)	ME							ME		су	Port	oxodulion paramotor
	immediate mode with a bad	R99	1.5	C121	C121	C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		
	channel identifier								AND	AND	AND	E.1/92	System		
									C183	C183	C183		Simulator		
													or System		
													Simulator		
													only		
	void														
	Text attribute– left alignment	Rel-5	2.1			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/92 AND	System		
ł						C153	C153	C153	C153	C153	C153	E.1/124 AND	Simulator		
I									AND	AND	AND	E.1/217 AND	or System		
									C183	C183	C183	E.1/110	Simulator		
	Text attribute – center alignment	Rel-5	2.2			C121	C121	C121	C121	C121	C121	E.1/89 AND	only UMTS	1	TCEP001
	Text attribute – certier alignment	1161-3	2.2			AND	AND	AND	AND	AND	AND	E.1/92 AND	System		TOET OUT
						C154	C154	C154	C154	C154	C154	E.1/124 AND	Simulator		
						0.0.	0101	0.0.	AND	AND	AND	E.1/218 AND	or System		
									C183	C183	C183	E.1/110	Simulator		
													only		
	Text attribute - right alignment	Rel-5	2.3			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/92 AND	System		
						C155	C155	C155	C155	C155	C155	E.1/124 AND	Simulator		
									AND	AND	AND	E.1/219 AND	or System		
									C183	C183	C183	E.1/110	Simulator		
	T	5				0.101	0404	0.101	0404	0.101	0.101	E 4/00 AND	only		TOFFDOOL
	Text attribute – large font size	Rel-5	2.4			C121	C121	C121	C121 AND	C121 AND	C121 AND	E.1/89 AND	UMTS		TCEP001
						AND C157	AND C157	AND C157	C157	C157	C157	E.1/92 AND E.1/124 AND	System Simulator		
						AND	AND	AND	AND	AND	AND	E.1/124 AND E.1/221 AND	or System		
						C156	C156	C156	C156	C156	C156	E.1/221 AND E.1/220 AND	Simulator		
						C130	0130	C 130	AND	AND	AND	E.1/110	only		
									C183	C183	C183	2.1/110	Offiny		
	Text attribute – small font size	Rel-5	2.5			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
	3.20					AND	AND	AND	AND	AND	AND	E.1/92 AND	System		
						C158	C158	C158	C158	C158	C158	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/222 AND	or System		
						C156	C156	C156	C156	C156	C156	E.1/220 AND	Simulator		
									AND	AND	AND	E.1/110	only		
					1				C183	C183	C183	1			

	Description	Re- lease	Test sequence	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
+	Text attribute – bold on	Rel-5	(s) 2.6	IVIE		C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
	rext attribute – bold off	Kel-3	2.0			AND	AND	AND	AND	AND	AND	E.1/92 AND	System		ICEFOUT
						C160	C160	C160	C160	C160	C160	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/226 AND	Simulator		
						0.00	0.00	0.00	AND	AND	AND	E.1/110	only		
									C183	C183	C183	,	J,		
ī	Text attribute – italic on	Rel-5	2.7			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/92 AND	System		
						C161	C161	C161	C161	C161	C161	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/227 AND	Simulator		
									AND	AND	AND	E.1/110	only		
									C183	C183	C183				
П	Text attribute – underline on	Rel-5	2.8			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/92 AND	System		
						C162	C162	C162	C162	C162	C162	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/228 AND	Simulator		
									AND	AND	AND	E.1/110	only		
									C183	C183	C183				
7	Гехt attribute – strikethrough on	Rel-5	2.9			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
						AND	AND	AND	AND	AND	AND	E.1/92 AND	System		
						C163	C163	C163	C163	C163	C163	E.1/124 AND	Simulator		
						AND	AND	AND	AND	AND	AND	E.1/225 AND	or System		
						C159	C159	C159	C159	C159	C159	E.1/229 AND	Simulator		
									AND	AND	AND	E.1/110	only		
Ļ	F	D	0.40			0404	0404	0404	C183	C183	C183	E 4/00 AND	LINATO		TOFFOOA
	Text attribute- foreground and	Rel-5	2.10			C121	C121	C121	C121	C121	C121	E.1/89 AND	UMTS		TCEP001
ľ	packground colours					AND	AND	AND	AND	AND	AND	E.1/92 AND	System		
						C164 AND	C164 AND	C164 AND	C164 AND	C164 AND	C164 AND	E.1/124 AND E.1/230 AND	Simulator		
						C165	C165	C165	C165	C165	C165	E.1/230 AND E.1/231 AND	or System Simulator		
						C165	C 165	C 165	AND	AND	AND	E.1/231 AND E.1/110	only		
									C183	C183	C183	E.1/110	Offig		
F	rames	Rel-6	TBD						C103	C103	C 163	E.1/89 AND	TBD		
ľ	Tallics	Vel-0	טטו									E.1/92 AND	160		
												E.1/177 AND			
												E.1/177 AND			
												E.1/110			
h	mmediate mode – E-UTRAN,	Rel-8	3.1						C182	C182	C182	E.1/89 AND	E-USS	1	
	Default EPS bearer	1.01-0	0.1						0102	0102	0102	E.1/92	only		
	Store mode – E-UTRAN, APN	Rel-8	3.2	1	1	1			C182	C182	C182	E.1/89 AND	E-USS	+	
	different from default APN	1101-0	0.2						0102	0102	0102	E.1/92	only		

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
35	GET CHANNEL STATUS 27.22.4.31														
	without any BIP channel opened	R99	1.1	C121	C121		C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/93	UMTS System Simulator or System Simulator only		
	with a BIP channel currently opened	R99	1.2	C121	C121		C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/93	UMTS System Simulator or System Simulator only		
	after a link dropped	R99	1.3	C121	C121	C121	C121	C121	C121 AND C183	C121 AND C183	C121 AND C183	E.1/89 AND E.1/93	UMTS System Simulator or System Simulator only		
	EPS bearer with APN different from default APN	Rel-8	1.4						C182	C182	C182	E.1/89 AND E.1/93	E-USS only		
	EPS bearer with APN different from default APN, after a link dropped	Rel-8	1.5						C182	C182	C182	E.1/89 AND E.1/93	E-USS only		
36	DATA DOWNLOAD TO UICC 27.22.5														
37	SMS-PP DATA DOWNLOAD 27.22.5.1														
	void		1.1 - 1.8												
	SMS-PP Data Download over CS, UTRAN/GERAN	R99	1.9	M	M	M	M	M	C183	C183	C183	E.1/2	UMTS System Simulator or System Simulator		TCEP001
38	CELL BROADCAST DATA DOWNLOAD 27.22.5.2														
	Cell Broadcast(GSM) - ME does not display message	R99	1.1	C201	E.1/3	System Simulator only									
	void		1.2												
	Cell Broadcast(GSM) - ME displays message	R99	1.3	C201 AND C177	E.1/3 AND E.1/110	System Simulator only									

Item	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
	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	C201	C201	C201	C201	C201	C201	C201	C201	E.1/3 AND E.1/20	System Simulator only		
38A	SMS-PP DATA DOWNLOAD 27.22.5.3														
	SMS-PP Data Download over IMS, E-UTRAN	Rel-8	3.1						C198	C198	C198	E.1/2	E-USS only		TCEP001
	SMS-PP Data Download over IMS, UTRAN	Rel-7	3.2					C199	C199	C199	C199	E.1/2	UMTS System Simulator only		TCEP001
39	CALL CONTROL BY USIM 27.22.6												Omy		
	Procedure for MO calls (Cell identity in envelope call control)	R99	1.1, 1.2, 1.4, 1.6, 1.8 to 1.14			C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	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	UMTS System Simulator or System Simulator only		
	Procedure for MO calls (Cell identity in envelope call control)	R99	1.3 A, 1.5 A, 1.7 A	C140 AND C177 AND C178 AND C180	C140 AND C177 AND C178 AND C180	C140 AND C177 AND C178 AND C180	C140 AND C177 AND C178 AND C180	C140 AND C177 AND C178 AND C180	C140 AND C177 AND C178 AND C180 AND C183	C140 AND C177 AND C178 AND C180 AND C183	C140 AND C177 AND C178 AND C180 AND C183	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 AND E.1/110 AND E.1/111	UMTS System Simulator or System Simulator only		

	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence (s)	99 ME	ME	ME	ME	ME	ME	ME	10 ME	Profile	Dependen cy	port	execution parameter
	Procedure for MO calls (Cell	R99	1.3 B,	C141	E.1/7 AND	UMTS									
	identity in envelope call control)	1133	1.7 B	AND	E.1/8 AND	System									
	identity in envelope dail dentitoly		1 5	C177	E.1/10 AND	Simulator									
				AND	E.1/11 AND	or System									
				C178	E.1/13 AND	Simulator									
				AND	E.1/29 AND	only									
				C180	E.1/64 AND										
									AND	AND	AND	E.1/110 AND			
									C183	C183	C183	E.1/111			
Ī	Procedure for MO calls (Cell	R99	1.5 B	C141	E.1/7 AND	UMTS									
	identity in envelope call control)			AND	E.1/8 AND	System									
	,			C180	E.1/10 AND	Simulator									
									AND	AND	AND	E.1/11 AND	or System		
									C183	C183	C183	E.1/13 AND	Simulator		
												E.1/29 AND	only		
Ĺ												E.1/64			
	Procedure for SS (Cell identity in	R99	2.1, 2.2,	C174	E.1/7 AND	UMTS									
	envelope call control)		2.3, 2.4						AND	AND	AND	E.1/8 AND	System		
									C183	C183	C183	E.1/10 AND	Simulator		
												E.1/11 AND	or System		
												E.1/13 AND	Simulator		
ļ												E.1/64	only		
	Interaction with FDN (Cell identity	R99	3.1, 3.2,	C146	E.1/7 AND	UMTS									
	in envelope call control)		3.3, 3.4,	AND	E.1/8 AND	System									
			3.5	C180	E.1/10 AND	Simulator									
									AND	AND	AND	E.1/11 AND	or System		
									C183	C183	C183	E.1/13 AND	Simulator		
ļ	551	Doo		0117	0447	04.47	0447	0117	0.4.47	01.17	04.47	E.1/64	only		
	BDN service enabled	R99	4.1	C147	E.1/7 AND	UMTS									
				AND	AND	AND	AND	AND	AND	AND C177	AND	E.1/8 AND	System		
				C177	C177	C177	C177	C177	C177		C177	E.1/10 AND	Simulator		
				AND C178	AND	AND	AND C178	AND C178	AND C178	AND C178	AND	E.1/11 AND	or System Simulator		
				AND	C178 AND	C178 AND	AND	AND	AND	AND	C178 AND	E.1/13 AND E.1/64 AND			
				C180	E.1/110 AND	only									
				0100	C 100	C 100	C 100	C 100	AND	AND	AND	E.1/110 AND E.1/111			
									C183	C183	C183	□.1/111			
f	BDN service enabled, interaction	R99	4.2A	C147					0.00	0.00	0.00	E.1/7 AND	UMTS		
	with emergency call codes, R99			AND								E.1/8 AND	System		
	only			C180								E.1/10 AND	Simulator		
J	•											E.1/11 AND	or System		
												E.1/13 AND	Simulator		
												E.1/64	only		

Item	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	BDN service enabled, interaction with emergency call codes, Rel-4+	Rel-4	4.2B		C147 AND C180	C147 AND C180	C147 AND C180	C147 AND C180	C147 AND C180 AND C183	C147 AND C180 AND C183	C147 AND C180 AND C183	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 ND	UMTS System Simulator or System Simulator		
	FDN and BDN enabled, set up a call in EFFDN, Allowed with modifications	R99	4.3	AND C147 AND C177 AND	C146 AND C147 AND C177 AND C180	C146 AND C147 AND C177 AND C180	C146 AND C147 AND C177 AND C180	C146 AND C147 AND C177 AND C180	C146 AND C147 AND C177 AND C180 AND C183	C146 AND C147 AND C177 AND C180 AND C183	C146 AND C147 AND C177 AND C180 AND C183	E.1/64 E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/64 AND E.1/110	only UMTS System Simulator or System Simulator only		
	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.1/13	TBD		
	BDN service enabled, ME not supporting BDN	R99	5.1			C176 AND C180	C176 AND C180	C176 AND C180	C176 AND C180 AND C183	C176 AND C180 AND C183	C176 AND C180 AND C183	E.1/7 AND E.1/8 AND E.1/10 AND E.1/11 AND E.1/13 AND E.1/64	UMTS System Simulator or System Simulator only		
	Call Control for EPS PDN connection activation, allowed without modification	Rel-8	TBD									2.1701	TBD		
	Call Control for EPS PDN connection activation, allowed with modification	Rel-8	TBD										TBD		
	Call Control for EPS PDN connection activation, rejected	Rel-8	TBD										TBD		
40	27.22.7.1: MT call event	R99	1.1	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/34 AND E.1/33	UMTS System Simulator or System Simulator only		

)	Description	Re- lease	Test sequence	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup- port	Additional test case execution parameter
			(s)	ME							ME		су		
	27.22.7.2.1: call connected event	R99	1.1	C180	C180	C180	C180	C180	C180 AND C183	C180 AND C183	C180 AND C183	E.1/35 AND E.1/33	UMTS System Simulator		
													or System Simulator only		
	27.22.7.2.2: ME supporting SET	R99	2.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/35 AND	UMTS		
	UP CALL	1133	2.1	AND	AND	AND	AND	AND	AND	AND	AND	E.1/29 AND	System		
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/33 AND	Simulator		
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/110 AND	or System		
				C180	C180	C180	C180	C180	C180	C180	C180	E.1/111	Simulator		
									AND	AND	AND		only		
									C183	C183	C183				
	27.22.7.3: call disconnected event	R99	1.1	C180	C180	C180	C180	C180	C180	C180	C180	E.1/36 AND	UMTS		
									AND C183	AND C183	AND C183	E.1/33	System Simulator		
									C183	C183	C183		or System		
													Simulator		
													only		
•	27.22.7.4: location status event	R99	1.1	М	М	М	М	М	М	М	М	E.1/37 AND E.1/33	Yes		AER002
ı	27.22.7.4: location status event, E-	Rel-8	1.2						C190	C190	C190	E.1/37 AND	Yes		
	UTRAN											E.1/33 AND			
												E.1/135			
	27.22.7.5: user activity event	R99	1.1	C178	C178	C178	C178	C178	C178	C178	C178	E.1/38 AND	No		
												E.1/33 AND			
	07.00.7.0; :	Doo	4.4	0477	0477	0477	0477	C177	0477	C177	0477	E.1/111 E.1/39 AND	V		
	27.22.7.6: idle screen available event	R99	1.1	C177 AND	C177 AND	C177 AND	C177 AND	AND	C177 AND	AND	C177 AND	E.1/39 AND E.1/33 AND	Yes		
	event			C178	C178	C178	C178	C178	C178	C178	C178	E.1/110 AND			
				0170	0170	0170	0170	0170	0170	0170	0170	E.1/111			
ŀ	27.22.7.7.1: Card reader status	R99	1.1	C109	C109	C109	C109	C109	C109	C109	C109	E.1/40 AND	No		
	normal											E.1/33			
İ	27.22.7.7.2: Detachable card	R99	2.1	C116	C116	C116	C116	C116	C116	C116	C116	E.1/40 AND	No		
	reader											E.1/33			
- 1	27.22.7.8: language selection	R99	1.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/41 AND	No		
	event			AND	AND	AND	AND	AND	AND	AND	AND	E.1/33 AND			
				C178	C178	C178	C178	C178	C178	C178	C178	E.1/110 AND			
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/111			
Į				C181	C181	C181	C181	C181	C181	C181	C181				

Item	Description	Re-	Test	Rel 99	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10	Terminal Profile	Network Dependen	Sup-	Additional test case
		lease	sequence (s)	ME	IVIE	IVIE	IVIE	IVIE	IVIE	IVIE	ME	Profile	cy	port	execution parameter
	27.22.7.9: Browser termination event	R99	1.1		C193 AND	E.1/42 AND E.1/33 AND	Yes								
	event				C177	E.1/33 AND E.1/110 AND									
				AND	AND	AND	AND	AND	AND	AND	AND	E.1/111			
				C178	C178	C178		C178	C178	C178	C178				
	27.22.7.10: Data available event	R99	1.1	C121	C121	C121	C121	C121	C121 AND	C121 AND	C121 AND	E.1/43 AND E.1/89 AND	UMTS System		
									C183	C183	C183	E.1/92 AND	Simulator		
									0.00	0.00	0.00	E.1/33	or System		
													Simulator		
				0.00	2121	2.2.	0.00	0.01			0.15.		only		
	27.22.7.11: Channel status event	R99	1.1	C121	C121	C121	C121	C121	C121 AND	C121 AND	C121 AND	E.1/44 AND E.1/89 AND	UMTS System		
									C183	C183	C183	E.1/33	Simulator		
													or System		
													Simulator		
	27.22.7.12: Access Technology												only	1	
	change event														
	Single access technology	Rel-8	1.1						C184	C184	C184	E.1/45 AND	UMTS		
									AND C190	AND C190	AND C190	E.1/33	System Simulator		
									0130	0190	0190		and E-USS		
	Multiple access technologies	Rel-8	TBD						C184	C184	C184	E.1/45 AND	TBD		
									AND	AND	AND	E.1/33 AND			
	27 22 7 12. Display parameter	Rel-4	TBD						C190	C190	C190	E.1/200 E.1/46 AND	TBD	1	
	27.22.7.13: Display parameter changed event	Rei-4	IBD									E.1/46 AND E.1/33	IBD		
	27.22.7.14: Local connection event	Rel-4	TBD									E.1/47 AND	TBD		
												E.1/33			
	27.22.7.15: Network search mode change event	Rel-6	1.1							М	М	E.1/48 AND E.1/33	No		
	27.22.7.16: Browsing status event	Rel-6	TBD									E.1/193 AND	TBD		
	_											E.1/33			
	27.22.7.17: Network Rejection Event, ATTACH REJECT	Rel-8	1.1						C190	C190	C190	E.1/33 AND E.197	E-USS only		
	27.22.7.17: Network Rejection	Rel-8	1.2						C190	C190	C190	E.1/33 AND	E-USS		
	Event, TRACKING AREA UPDATE REJECT											E.197	only		
	Frame information changed event	Rel-6	TBD									E.1/195 AND	TBD		
												E.1/177 AND E.1/178			
	27.22.7.18: CSG cell Selection	Rel-9	1.1							C200	C200	E.1/201	E-USS		
													only		

n	Description	Re- lease	Test sequence (s)	Rel 99 ME	Rel-4 ME	Rel-5 ME	Rel-6 ME	Rel-7 ME	Rel-8 ME	Rel-9 ME	Rel- 10 ME	Terminal Profile	Network Dependen cy	Sup- port	Additional test case execution parameter
	MO SMS Control by USIM 27.22.8														
	With proactive command, Allowed, no modification	R99	1.1	M	М	M	M	M	C183	C183	C183	E1/12 AND E.1/26 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	With user SMS, Allowed , no modification	R99	1.2	M	M	M	M	M	C183	C183	C183	E1/12	UMTS System Simulator or System Simulator only		
	With proactive command, Not allowed	R99	1.3	M	М	M	M	M	C183	C183	C183	E1/12 AND E.1/26 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	With user SMS, Not allowed	R99	1.4	M	M	M	M	M	M	M	M	E1/12	UMTS System Simulator or System Simulator only		
	With proactive command, Allowed, with modifications	R99	1.5	M	М	M	M	M	C183	C183	C183	E1/12 AND E.1/26 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001
	With user SMS, Allowed, with modifications	R99	1.6	M	M	M	M	M	C183	C183	C183	E1/12	UMTS System Simulator or System Simulator only		
	With Proactive command, the USIM responds with '90 00', Allowed, no modification	R99	1.7	M	М	M	M	M	C183	C183	C183	E1/12 AND E.1/26 AND E.1/110	UMTS System Simulator or System Simulator only		TCEP001

Item	Description	Re-	Test	Rel	Rel-4	Rel-5	Rel-6	Rel-7	Rel-8	Rel-9	Rel-	Terminal	Network	Sup-	Additional test case
		lease	sequence	99	ME	ME	ME	ME	ME	ME	10	Profile	Dependen	port	execution parameter
			(s)	ME							ME		су		
	Send Short Message attempt by	R99	1.8	M	M	М	M	M	C183	C183	C183	E1/12	UMTS		
	user, the USIM responds with '90												System		
	00', Allowed, no modification												Simulator		
													or System		
													Simulator		
	Void		1.9										only		
42	SERVICE SEARCH	Rel-4	TBD									E.1/94	TBD		
43	GET SERVICE INFORMATION	Rel-4	TBD									E.1/94 E.1/95	TBD		
44	DECLARE SERVICE	Rel-4	TBD									E.1/96	TBD		
45	RETRIEVE MULTIMEDIA	Rel-6	TBD									E.1/173	TBD		
45	MESSAGE	IXCI-0	100									L.1/173	100		
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 27.22.9														
	DISPLAY TEXT normal priority	R99	1.1	C177	C177	C177	C177	C177	C177	C177	C177	E.1/17 AND	No		
												E.1/110			

C101	IF A.1/1 THEN M ELSE N/A	O_Cap_Conf
C102	IF A.1/16 THEN M ELSE N/A	O GPRS
C102	void	O_OI NO
C104	IF A.1/2 THEN M ELSE N/A	O_Sust_text
C105	IF A.1/3 AND A.1/41 THEN M ELSE N/A	O_Ucs2_Entry AND O_UCS2_Cyrillic
C106	IF A.1/4 THEN M ELSE N/A	O_Ext_Str
C100	IF A.1/4 THEN MIELSE N/A	O_EX_Sti
C107	IF A.1/5 THEN M ELSE N/A	O Icons
C108	IF A.1/6 THEN O.1 ELSE N/A IF A.1/7 THEN M ELSE N/A	O_lcons O Dual Slot
C110	IF A.1/9 AND A.1/46 THEN M ELSE N/A	O_Run_At AND O_+CIMI
C111	IF (A.1/10 OR E.1/71) THEN M ELSE N/A	O_LB
C112	IF A.1/11 THEN M ELSE N/A	O_Soft_key
C113	void	
C114	IF C110 AND C108 THEN O.1 ELSE N/A	O_Run_At AND O_+CIMI AND O_Icons
C115	IF C111 AND C108 THEN M ELSE N/A	O_LB AND O_lcons
C116	IF A.1/7 AND A.1/8 THEN M ELSE N/A	O_Dual_Slot AND O_Detach_Rdr
C117	void	
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	IF A.1/22, test x.A M ELSE x.B M (where x is the expected	O_CP_Subaddr
	sequence number value)	
C125	IF A.1/23 THEN M ELSE N/A	O_Imm_Resp
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.1/82 THEN M ELSE N/A	O_M_T_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 O Ucs2
0143	II OTTO THE OTTO THE OTTO	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
0.00	III OTTOTALO OTTO TITLICA IN ELOCATA	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_
0.01	III OTTOTALO OTTO TITLICA IN ELOCATORA	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 test step option	O_longFTN
	n.B M	
C167	IF A.1/64 THEN M ELSE N/A	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 IF (C121 AND	(O_BIP_GPRS AND O_UDP AND
	NOT A.1/68) test x.B M ELSE N/A	O_User_Confirm_Before_PDP_Context_Request) OR
		(O_BIP_GPRS AND O_UDP AND NOT
		O_User_Confirm_Before_PDP_Context_Request)
C170	IF A.1/69 THEN M ELSE N/A	O_Serv_SS_HOLD
C171	IF A.1/6 THEN O.2 ELSE N/A	O_lcons
C172	IF A.1/6 THEN O.4 ELSE N/A	O_lcons
C173	IF C110 AND A.1/6 THEN O.2 ELSE N/A	O_Run_At AND O_+CIMI AND O_Icons
C174	IF A.1/78 AND A.1/79 THEN M ELSE N/A	O_AddInfo_SS AND_O_Serv_SS_CFU
C175	IF A.1/78 AND A.1/80 THEN M ELSE N/A	O_AddInfo_SS AND O_Serv_SS_CLIR
C176	IF A. 1/44 THEN N/A ELSE M	O_BDN
C177	IF A.1/84 THEN M ELSE N/A	O_No_Type_ND
C178	IF A.1/85 THEN M ELSE N/A	O_No_Type_NK
C179	IF A.1/86 THEN M ELSE N/A	O_No_Type_NA
C180	IF A.1/87 THEN M ELSE N/A	O_No_Type_NS
C181	IF A.1/88 THEN M ELSE N/A	O_No_Type_NL
C182	IF A.1/18 AND (A.1/132 OR A.1/133) THEN M ELSE N/A	O_TCP AND (pc_BIP_eFDD OR pc_BIP_eTDD)
C183	IF ((NOT A.1/135) AND (A.1/64 OR A.1/134) THEN M ELSE	NOT (O_EUTRAN_NO_UTRAN NO_GERAN) AND (O_GERAN

	N/A	OR O_UTRAN)
C184	IF A.1/134 THEN M ELSE N/A	O_UTRAN
C185	IF A.1/6 AND A.1/111 THEN M ELSE N/A	O_Icons AND O_Icon_Rec1_Send_SS
C186	IF A.1/6 AND A.1/115 THEN M ELSE N/A	O Icons AND O Icon_Rec2_Send_USSD
C187	IF A.1/6 AND A.1/114 THEN M ELSE N/A	O_lcons AND O_lcon_Rec1_Send_USSD
C188	IF A.1/6 AND A.1/120 THEN M ELSE N/A	O_lcons AND O_lcon_Rec1_Set_Up_Idle_Mode_Text
C189	IF C110 AND A.1/6 AND A.1/123 THEN M ELSE N/A	O_Run_At AND O_+CIMI AND O_Icons AND
		O_Icon_Rec1_Run_AT_Cmd
C190	IF (A.1/139 OR A.1/140) THEN M ELSE N/A	pc_eTDD OR pc_eFDD
C191	IF A.1/21 AND A.1/18 THEN M ELSE N/A	O_BIP_GPRS AND O_TCP
C192	IF (A.1/21 AND A.1/18 AND A.1/72) THEN M ELSE N/A	O_BIP_GPRS AND O_TCP AND O_BIP_UICCServer
C193	IF (A.1/10 OR (E.1/71 AND E.1/42)) THEN M ELSE N/A	O_LB
C194	IF A.1/138 THEN M ELSE N/A	O_Select_Item_Default_Item
C195	IF A.1/137 THEN M ELSE N/A	O_CSG_Cell_Discovery
C196	IF (A.1/142 AND (A.1/139 OR A.1/140) THEN M ELSE N/A	O_pc_MO_SM-over-IMS AND (pc_eFDD OR pc_eTDD)
C197	IF (A.1/142 AND A.1/134) THEN M ELSE N/A	O_pc_MO_SM-over-IMS AND O_UTRAN
C198	IF (A.1/141 AND (A.1/139 OR A.1/140) THEN M ELSE N/A	O_pc_SM-over-IP-receiver AND (pc_eFDD OR pc_eTDD)
C199	IF (A.1/141 AND A.1/134) THEN M ELSE N/A	O_pc_SM-over-IP-receiver AND O_UTRAN
C200	IF A.1/136 THEN M ELSE N/A	O Event CSG Cell Selection
C201	IF (A.1/64 AND A.1/149) THEN M ELSE N/A	O GERAN AND O SMS-CB Data Download
0.1	IF A.1/zz tests x.yA M ELSE tests x.yB M (where zz correspond	ds to the option relating to the command being tested (e.g. A.1/90 if
	Display Text supports icons as defined in record 1 of EF(IMG))	
0.2	IF A.1/zz tests x.yA M ELSE tests x.yB M (where zz correspond	ds to the option relating to the command being tested (e.g. A.1/91 if
	Display Text supports icons as defined in record 2 of EF(IMG))	and x.y is the expected sequence number value)
O.3	void	
O.4		zz and ww correspond to the option relating to the command being
		record 1 of EF(IMG) and A.1.92 if Display Text supports icons as
	defined in record 5 of EF(IMG)) and x.y is the expected seque	nce number value)
TCEP001		he non-display of any alpha identifier, text string or icon shall be
TOFPOO	treated as successfully verified.	of some limit and Compatible booth a compa
TCEP002	IF NOT A.1/85 THEN the terminal may open the channel witho	ut explicit confirmation by the user. (O_BIP_GPRS AND O_UDP) AND (O_BIP_eFDD OR
AER001	IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.1) ELSE	
	(A.1/134 OR A.1/04))) THEN R(27.22.4.27.0, Seq. 0.1) ELSE	O_BIP_eTDD) AND (O_UTRAN OR O_GERAN)
AER002	IF ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN	(pc_ BIP_eFDD OR pc_BIP_eTDD) AND (O_UTRAN OR
ALINOUZ	R(27.22.7.4 Seq. 1.1) ELSE A	O_GERAN)
AER003	IF ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN	(pc_BIP_eFDD OR pc_BIP_eTDD) AND (O_UTRAN OR
/\LINGO	R(27.22.4.15 Seq. 1.17) ELSE A	O GERAN)
AER004	IF ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN	(pc_BIP_eFDD OR pc_BIP_eTDD) AND (O_UTRAN OR
	R(27.22.4.15 Seq. 1.14) ELSE A	O_GERAN)
AER005	IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND	(O_BIP_GPRS AND O_UDP) AND (O_BIP_eFDD OR
	(A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.4) ELSE	O_BIP_eTDD) AND (O_UTRAN OR O_GERAN)

AER006	IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.3) ELSE A	(O_BIP_GPRS AND O_UDP) AND (O_BIP_eFDD OR O_BIP_eTDD) AND (O_UTRAN OR O_GERAN)
AER007	IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.27.6, Seq. 6.5) ELSE A	(O_BIP_GPRS AND O_UDP) AND (O_BIP_eFDD OR O_BIP_eTDD) AND (O_UTRAN OR O_GERAN)
AER008	IF ((A.1/21 AND A.1/17) AND ((A.1/132 OR A.1/133) AND (A.1/134 OR A.1/64))) THEN R(27.22.4.29, Seq. 1.2) ELSE A	(O_BIP_GPRS AND O_UDP) AND (O_BIP_eFDD OR O_BIP_eTDD) AND (O_UTRAN OR O_GERAN)

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 "±".

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 ETSITS 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 E-USS/USS/SS interfaces provide the main test interfaces for the purpose of performing conformance tests.

The tests which require a network simulator shall be carried out with using an Evolved Universal System Simulator when accessing an E-UTRAN, 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 TS 36.523-2 [34], TS 36.508 [33], 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
16	RUN AT Text Attributes Alignment [Left or Center or Right]		С
17	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
20	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		М
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
29	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
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**

Procedure 27.22.X.X. 2.4.1.2

- 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 E-UTRAN the procedures defined in TS 36.508 [33] shall be the basis for all performed procedures during the test. The procedures in subclause 4.5 describe the default behaviour of a conformant ME regarding the specified protocols to be used for E-UTRAN and the required procedures from the NAS.

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.

xx00 xxxx

XXXX XXXX

Note:

The sequence of USIM Application Toolkit commands are specific to the Toolkit Application being 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.
- Unless otherwise defined, the coding values in binary. Note 2:

EF_{UST} (USIM Service Table)

Logically:

(Service 01)	Local Phone	e Book available						
(Service 02)	Fixed dialling	Fixed dialling numbers available						
(Service 06)		ing numbers ava						
(Service 10)		ige Storage avail						
(Service 11)	Short Messa	ige Status Repor	ts available					
(Service 12)	Short Messa	ige Service Para	meters available					
(Service 15)	Cell Broadc	ast Message Ide	ntifier available					
(Services 17, 18	8) The Group 1	Identifier level 1	and level 2 not	available				
(Service 20)	User control	lled PLMN selec	ctor available					
(Service 22)	Image (IMC	Image (IMG) available						
(Service 27)	The GSM A	The GSM Access available						
(Service 28)	Data downlo	Data download via SMS-PP available						
(Service 29)	Data downlo	oad via SMS-CE	available					
(Service 30)		l by USIM not a						
(Service 31)	MO-SMS C	ontrol by USIM	not available					
(Service 32)		OMMAND avai						
(Service 33)	(Packed Sw	itched Domain)	shall be set to '1	1				
(Service 34)	Enabled Ser	vices Table avai	lable					
(Service 85)	EPS Mobili	ty Management	Information not	available				
(Service 86)	Allowed CS	G Lists and corr	esponding indic	ations not availa	ble			
Coding:	B1	B2	В3	B4	B5	В6		
binary	xx1x xx11	x1xx 111x	xx1x 1x00	1001 11xx	xxx xx11	XXXX XXXX		
	B7	B8	B9	B10	B11			

XXXX XXXX

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

XXXX XXXX

EF_{EST} (Enabled Services Table)

Logically:

(Service 1)	Fixed Dialling number deactivated
(Service 2)	Barred Dialling number deactivated
(Service 3)	APN Control List deactivated

XXXX XXXX

Coding: В1 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**5 B6 **B7** B8 В9 B10 B11 B1 B2 В3 B4 FF FF FF FF F1 00 01 Hex 00 10 FF 00

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"

B5 Coding: В3 B4 В1 B2 B6 B7 FF FF FF FF FF FF Hex FF Coding: B8 B9 B10 B11 B12 B13 **B14** F1 Hex 00 10 00 01 05 00

EF_{CBMI} (Cell Broadcast Message Identifier)

Logically:

Cell Broadcast Message Identifier 1: '03 E7'

Coding: 03 E7 FF FF	
---------------------	--

$EF_{CBMID}\left(Cell\ Broadcast\ Message\ Identifier\ for\ Data\ Download\right)$

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:

В1 B2 ВЗ B4 B5 В6 B7 В8 B9 B10 B11 B12 B13 Hex 46 44 4E 31 31 31 03 81 21 F3 FF FF FF

B14 B15 B16 B17 B18 B19 B20 FF FF 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:

В1 B2 ВЗ B4 B5 В6 B7 В8 В9 B10 B11 B12 B13 Hex FF FF FF 46 44 4E 32 32 32 03 81 89 67

B14 B15 B16 B17 B18 B19 B20 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.

87

09

Coding for record 3:

21

В1 B2 B4 B5 B6 В8 B9 B10 B12 B13 В3 B7 B11 Hex 46 44 4E 33 33 33 0B 91 21 43 65 87 09 B19 B14 B15 **B16** B17 B18 B20

FF

FF

EF_{BDN} (Barred Dialling Numbers)

43

Logically:

Record 1: Length of alpha identifier: 6 characters;

65

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:

В1 B2 В3 B4 **B**5 B6 B7 В8 В9 B10 B11 B12 B13 4E Hex 42 44 31 31 31 06 91 31 75 29 64 80 B19 B20 **B14 B15** B16 **B17** B18 B21 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:

В1 B6 В8 В9 B2 ВЗ B4 B5 B7 B10 B11 B12 B13 FF Hex 42 44 4E 32 32 32 04 81 21 F2 FF FF **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:

B1 B2 В3 B4 B5 B6 B7 В8 В9 B10 B11 B12 B13 Hex 42 44 4E 33 33 33 03 81 11 F2 FF FF FF **B14 B15 B16** B17 **B18** B19 B20 B21 FF FF FF FF FF

 $EF_{ECC} \ (Emergency \ Call \ Codes)$

Logically: Emergency call code: "122";

Emergency call code alpha identifier: "TEST"; Emergency call Service Category: RFU

Coding: В1 ВЗ В5 B2 В4 **B6** В7 **B8** 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

E	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.

27.22.2BDefinition of default values for LTE related USIM Application Toolkit testing

27.22.2B.1 Definition of E-UTRAN/EPC UICC

For each item, the logical default values and the coding within the Elementary Files (EF) of the USIM follow, as defined in clause 27.22.2A of the present document with the following execptions:

EF_{UST} (USIM Service Table)

Logically:

(Service 01)	Local Phone Book available
(Service 02)	Fixed dialling numbers available
(Service 06)	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

B6

XXXX X

B10

43

B9

66

B11

11

B11

xx01 xxxx

B9

XXXX XXXX

B10

XXXX XXXX

(Service 32) (Service 33) (Service 34) (Service 85) (Service 86)	(Packed Swi Enabled Ser EPS Mobilit	OMMAND avail itched Domain) s vices Table avai ty Management I G Lists and corr	shall be set to '1' lable Information avai		ble
Coding:	B1	B2	В3	B4	B5
binary	xx1x xx11	x1xx 111x	xx1x 1x00	1001 11xx	xxx xx11

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

EF_{EPSLOCI} (**EPS** Information)

GUTI: 0010100010266341122 Logically:

> Last visited registered TAI: 001/01/0001 EPS update status: not updated

B8

XXXX XXXX

Byte: В1 B2 В3 В4 **B5** B6 B7 В8 Hex: 0B F6 00 F1 10 00 01 02 B12 **B13 B14 B15 B16 B17 B18** 22 00 F1 10 00 01 01

EF_{EPSNSC} (EPS NAS Security Context)

B7

XXXX XXXX

Logically: Key Set Identifier KSI_{ASME}: '07'(no key available)

ASME Key (KSI_{ASME}): 'FF' (not available)

'00' Uplink NAS count: Downlink NAS count: '00' Identifiers of selected NAS 'FF'

integrity and encryption

algorithm

Coding: B1 B2 В3 B4 **B5** B6 **B7** Bxx Α0 80 01 07 81 00 Hex ΧX XX

27.22.2B.2 Definition of E-UTRAN parameters

The default E-UTRAN parameters of the system simulator are:

Mobile Country Code (MCC) = 001;

Mobile Network Code (MNC) = 01;

Tracking Area Code (TAC) = 0001;

Cell Identity value = 0001;

The default EPS bearer context is defined in "Reference default EPS bearer context #1" in cl. 6.6.1 of TS 36.508 [33].

The default PDP type shall be "IP".

27.22.2C Definition of E-UTRAN/EPC ISIM-UICC

27.22.2C.1 Applications on the E-UTRAN/EPC ISIM-UICC

The E-UTRAN/EPC ISIM-UICC shall contain a USIM as defined in clause 27.22.2B.1 and an ISIM as defined in clause 27.22.2C.3.

27.22.2C.2 Default USIM values of E-UTRAN/EPC ISIM-UICC

The E-UTRAN/EPC ISIM-UICC related test cases require a USIM to access the E-UTRAN/EPC. For this purpose the USIM shall be configured as defined in clause 27.22.2B.1.

27.22.2C.3 Default ISIM values of E-UTRAN/EPC ISIM-UICC

The E-UTRAN/EPC ISIM-UICC shall contain an ISIM for IMS access with the following values:

27.22.2C.3.1 EF_{AD} (Administrative Data)

Logically: Type approval operations

Byte:	B01	B02		
Coding:	80	00		

27.22.2C.3.2 EF_{IST} (ISIM Service Table)

Logically:

(Service 01) P-CSCF Address: available (Service 02) Generic Bootstrapping: not available (Service 03) HTTP Digest: not available (Service 04) GBA Based Local Key Establishment Mechanism: not available (Service 05) Support for P-CSCF discovery for IMS local breakout: not available (Service 06) Short Message Storage (SMS): available (Service 07) Short Message Status Reports (SMSR): available (Service 08) Support for SM-over-IP: available

Byte:	B01
Coding:	111x xxx1

27.22.2C.3.3 EF_{IMPI} (IMS private user identity)

Logically: 001010123456789@test.3gpp.com

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	80	1D	30	30	31	30	31	30	31	32
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	33	34	35	36	37	38	39	40	74	65
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	73	74	2E	33	67	70	70	2E	63	6F
	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40
	6D	FF								

27.22.2C.3.4 EF_{DOMAIN} (Home Network Domain Name)

Logically: test.3gpp.com

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	80	0D	74	65	73	74	2E	33	67	70
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	70	2E	63	6F	6D	FF	FF	FF	FF	FF

27.22.2C.3.5 EF_{IMPU} (IMS public user identity)

Record 1:

 $Logically: \hspace{0.5cm} sip: 001010123456789@ims.mnc 246.mcc 081.3 gpp network.org$

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	80	35	73	69	70	3A	30	30	31	30
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	31	30	31	32	33	34	35	36	37	38
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	39	40	69	6D	73	2E	6D	6E	63	32
	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40
	34	36	2E	6D	63	63	30	38	31	2E
	B41	B42	B43	B44	B45	B46	B47	B48	B49	B50
	33	67	70	70	6E	65	74	77	6F	72
	B51	B52	B53	B54	B55	B56	B57	B58	B59	B60
	6B	2E	6F	72	67	FF	FF	FF	FF	FF

Record 2:

Logically: sip:+11234567890@test.3gpp.com

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	80	1E	73	69	70	3A	2B	31	31	32
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	33	34	35	36	37	38	39	30	40	74
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	65	73	74	2E	33	67	70	70	2E	63
	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40
	6F	6D	FF							
	B41	B42	B43	B44	B45	B46	B47	B48	B49	B50
	FF									
	B51	B52	B53	B54	B55	B56	B57	B58	B59	B60
	FF									

Record 3:

Logically: tel:+11234567890

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	80	10	74	65	6C	3A	2B	31	31	32
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	33	34	35	36	37	38	39	30	FF	FF
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	FF									
	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40
	FF									
	B41	B42	B43	B44	B45	B46	B47	B48	B49	B50
	FF									
	B51	B52	B53	B54	B55	B56	B57	B58	B59	B60
	FF									

27.22.2C.3.6 EF_{P-CSCF} (P-CSCF ADDRESS)

Logically:

Address Type: FQDN

P-CSCF Address: pcscf1.anyims.test.3gpp.com

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	80	1C	00	70	63	73	63	66	31	2E
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	61	6E	79	69	6D	73	2E	74	65	73
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	74	2E	33	67	70	70	2E	63	6F	6D
	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40
	FF									

Note: This EF does not apply for 3GPP and shall not be used by a terminal using a 3GPP access network or a 3GPP Interworking WLAN.

27.22.2C.3.7 EF_{SMS} (Short Message Service)

At least 10 records.

All records shall be empty.

Logically: Status byte set to empty.

Record 1-x $(x \ge 10)$:

Byte:	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	 B176
Coding:	00	FF	FF	FF	 FF								

27.22.2C.3.8 EF_{SMSR} (Short message status reports)

This EF shall contain as many records as EF_{SMS} . All records shall be empty.

a) Logically: Status byte set to empty.

Record 1-x $(x \ge 10)$:

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	00	FF								
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	FF									
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	FF									

27.22.2C.3.9 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"

a) Dialled number string: "112233445566778"

Byte:	B1	B2	В3		B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23
Coding:	FD	FF	FF		FF	09	91	11	22	33	44	55	66	77	F8
	B24	B25	B26	B27	B28										
	FF	FF	FF	FF	FF										

a) All other records shall be empty.

27.22.2C.3.10 EF_{SMSS} (SMS Status)

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

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

Byte:	B1	B2
Coding:	00	FF

27.22.2C.4 Default values at DF_TELECOM

27.22.2C.4.1 EF_{PSISMSC} (Public Service Identity of the SM-SC)

1 record only.

Logically:

Record 1:

Public Service Identity of the SM-SC: tel:+112233445566778

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	80	14	74	65	6C	3A	2B	31	31	32
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	32	33	33	34	34	35	35	36	36	37
	B21	B22	B23	B24	B25	B26	B27	B28		Bxx
	37	38	FF	FF	FF	FF	FF	FF		FF

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	$USER \to ME$	Power on ME	[UICC Activation]
2	$ME \to UICC$	Select EF PL	
3	$UICC \to ME$	Read EF PL	
4	$ME \to UICC$	TERMINAL PROFILE 1.1	PROFILE DOWNLOAD
5	$UICC \to ME$	NORMAL ENDING OF	
		COMMAND 1.1	
6	$ME \to UICC$	Select USIM Application	

TERMINAL PROFILE: 1.1

Logically:

Coding:

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

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:

SW1=90	SW2=00

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:

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:	01	03	01	21	80	0.2	02	92	01	02	Λ1	00
DEK-ILV.	01	US	UI	_ Z I	00	02	02	02	01	ೲ	UI	00

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.

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.

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)

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.

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.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
4	$ME \rightarrow USER$	TONE 1.1.1 Display "Dial Tone"	
4	IVIE → USER	Play a standard supervisory dial	
		tone through the external ringer for	
		a duration of 5 s	
5	$ME \to UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.1	
6	$UICC \to ME$	PROACTIVE UICC SESSION	
7	$UICC \to ME$	PROACTIVE COMMAND	
,	OICC - IVIE	PENDING: PLAY TONE 1.1.2	
8	$ME \to UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
		TONE 1.1.2	
10	$ME \to USER$	Display "Sub. Busy"	
		Play a standard supervisory called	
		subscriber busy tone for a duration of 5 s	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
	IVIL -> 0100	TONE 1.1.2	[command performed decederally]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND	
4.4	ME IIIOO	PENDING: PLAY TONE 1.1.3	
14 15	ME → UICC	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.1.3	
16	$ME \to USER$	Display "Congestion"	
		Play a standard supervisory	
		congestion tone for a duration of 5	
47		S TERMINIAL DECRONOS, DLAV	IO-managed and and annual access of the la
17	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY TONE 1.1.3	[Command performed successfully]
18	$UICC \to ME$	PROACTIVE UICC SESSION	
	OIOO / IVIL	ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: PLAY TONE 1.1.4	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
22	$ME \rightarrow USER$	TONE 1.1.4 Display "RP Ack"	
22	WE → USEK	Play a standard supervisory radio	
		path acknowledgement tone	
23	$ME \to UICC$	TERMINAL REŠPONSE: PLAY	[Command performed successfully]
		TONE 1.1.4	
24	$UICC \to ME$	PROACTIVE UICC SESSION	
25	LUCC ME	ENDED BROACTIVE COMMAND	
25	$UICC \to ME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.5	
26	$ME \to UICC$	FETCH	
27	UICC → ME	PROACTIVE COMMAND: PLAY	
	· · · · · · · · · · · · · · · · ·	TONE 1.1.5	
28	$ME \to USER$	Display "No RP"	[Note: The ME will only play three bursts as
		Play a standard supervisory radio	specified in TS 22.001 [2]]
		path not available / call dropped	
29	$ME \to UICC$	tone for a duration of 5 s TERMINAL RESPONSE: PLAY	[Command performed successfully]
25	IVIL -> UICC	TONE 1.1.5	[Seminaria perfermed adocedardity]
		•	

Step	Direction	MESSAGE / Action	Comments
30	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
31	$UICC \to ME$	PROACTIVE COMMAND	
22	ME	PENDING: PLAY TONE 1.1.6 FETCH	
32	ME → UICC		
33	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.1.6	
34	ME → USER	Display "Spec Info"	
J 1	IVIE → USEK	Play a standard supervisory error /	
		special information tone for a	
		duration of 5 s	
35	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.6	
36	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
37	$UICC \to ME$	PROACTIVE COMMAND	
20	ME	PENDING: PLAY TONE 1.1.7	
38	ME → UICC	FETCH	
39	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.1.7	
40	ME → USER	Display "Call Wait"	
-1 0	IVIL -> UOLK	Play a standard supervisory call	
		waiting tone for a duration of 5 s	
41	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.7	
42	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
43	$UICC \to ME$	PROACTIVE COMMAND	
4.4		PENDING: PLAY TONE 1.1.8	
44	ME → UICC	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.1.8	
46	ME → USER	Display "Ring Tone"	
.0	IVIL -> OOLIK	Play a standard supervisory	
		ringing tone for duration of 5 s	
47	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
		TONE 1.1.8	·
48	$UICC \to ME$	PROACTIVE UICC SESSION	
46		ENDED	
49	$USER \to ME$	Set up a voice call	[User dials 123456789 to connect to the
50	ME LICC	Establish voice call	network manually] [Voice call is established]
50 51	$\begin{array}{c} ME \to USS \\ UICC \to ME \end{array}$	PROACTIVE COMMAND	[voice can is established]
JI		PENDING: PLAY TONE 1.1.1	
52	$ME \rightarrow UICC$	FETCH	
53	UICC → ME	PROACTIVE COMMAND: PLAY	
	0.00 /2	TONE 1.1.1	
54	$ME \rightarrow USER$	Display "Dial Tone"	
		Superimpose the standard	
		supervisory dial tone on the audio	
		downlink for the duration of 5 s	[O
55	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY	[Command performed successfully]
56	LUCC ME	TONE 1.1.1 PROACTIVE UICC SESSION	
50	$UICC \to ME$	ENDED	
57	USER → ME	The user ends the call	
58	UICC → ME	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: PLAY TONE 1.1.9	
59	$ME \to UICC$	FETCH	
60	$UICC \to ME$	PROACTIVE COMMAND: PLAY	
~~		TONE 1.1.9	•

Step 61 ME → USER Display "This command instructs the ME to play an audio tone. Upon receiving this command, the ME shall check if it is currently in, or in the process of setting up (SET-UP message sent to the network, see GSM"04.08"(8)), a speech call If the ME I" Play a general beep	
the ME to play an audio tone. Upon receiving this command, the ME shall check if it is currently in, or in the process of setting up (SET-UP message sent to the network, see GSM"04.08"(8)), a speech call If the ME I" Play a general beep	
ME shall check if it is currently in, or in the process of setting up (SET-UP message sent to the network, see GSM"04.08"(8)), a speech call If the ME I" Play a general beep	
or in the process of setting up (SET-UP message sent to the network, see GSM"04.08"(8)), a speech call If the ME I" Play a general beep	
(SET-UP message sent to the network, see GSM"04.08"(8)), a speech call If the ME I" Play a general beep	
speech call If the ME I" Play a general beep	
Play a general beep	
62 ME → UICC TERMINAL RESPONSE: PLAY [Command performed success	ssfully]
TONE 1.1.9a or	- L 11141 1
or [Command beyond ME's cap	pabilitiesj
TONE 1.1.9b	
63 UICC → ME PROACTIVE UICC SESSION	
PENDING: PLAY TONE 1.1.10	
65 ME → UICC FETCH	
66 UICC → ME PROACTIVE COMMAND: PLAY TONE 1.1.10	
67 ME → USER Display "Beep"	
Play a ME proprietary general	
beep	ssfullvl
TONE 1.1.10a or	Journal
Or [Command beyond ME's cap	pabilities]
TERMINAL RESPONSE: PLAY TONE 1.1.10b	
69 UICC → ME PROACTIVE UICC SESSION	
ENDED PROJECTIVE CONTINUE	
70 UICC → ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.11	
71 ME → UICC FETCH	
72 UICC → ME PROACTIVE COMMAND: PLAY	
TONE 1.1.11 73 ME → USER Display "Positive"	
Play a ME proprietary positive	
acknowledgement tone	f. dl. 3
74 ME → UICC TERMINAL RESPONSE: PLAY [Command performed success to the companies of the command performed success to the companies of the command performed success to the companies of the companies of the command performed success to the companies of the companies	sstullyj
or [Command beyond ME's cap	pabilities]
TERMINAL RESPONSE: PLAY	
TONE 1.1.11b 75 UICC → ME PROACTIVE UICC SESSION	
ENDED	
76 UICC → ME PROACTIVE COMMAND PENDING: PLAY TONE 1.1.12	
77 ME → UICC FETCH	
78 UICC → ME PROACTIVE COMMAND: PLAY	
TONE 1.1.12 79 ME → USER Display "Negative"	
79 ME → USER Display "Negative" Play a ME proprietary negative	
acknowledgement tone	
80 ME → UICC TERMINAL RESPONSE: PLAY [Command performed success	ssfully]
TONE 1.1.12a or	pabilities1
TERMINAL RESPONSE: PLAY	· <u>.</u>
TONE 1.1.12b 81 UICC → ME PROACTIVE UICC SESSION	
81 UICC → ME PROACTIVE UICC SESSION ENDED	
82 UICC → ME PROACTIVE COMMAND	
PENDING: PLAY TONE 1.1.13 83 ME → UICC FETCH	
84 UICC → ME PROACTIVE COMMAND: PLAY	
TONE 1.1.13	

Step	Direction	MESSAGE / Action	Comments
85	$ME \rightarrow USER$	Display "Quick"	
		Play a ME proprietary general beep	
86	$ME \to UICC$	TERMINAL RESPONSE: PLAY TONE 1.1.13a	[Command performed successfully]
		or	[Command beyond ME's capabilities]
		TERMINAL RESPONSE: PLAY TONE 1.1.13b	
87	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
88	$UICC \to ME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.14	
89	$ME \to UICC$	FETCH	
90	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.1.14	
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</abort>	
		minute)	
92	$ME \to UICC$	TERMINAL RESPONSE: PLAY TONE 1.1.14	[Proactive UICC session terminated by the user]
93	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	-
94	$UICC \to ME$	PROACTIVE COMMAND PENDING: PLAY TONE 1.1.15	
95	$ME \to UICC$	FETCH	
96	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.1.15	[No alpha identifier, no tone tag, no duration tag]
97	ME → User	ME plays general beep, or if not supported any (defined by ME- manufacturer) other supported tone	[ME uses default duration defined by ME-manufacturer]
98	$ME \rightarrow UICC$	TERMINAL RESPONSE: PLAY TONE 1.1.15	[Command performed successfully], [ME uses general beep, or if not supported any (defined by ME-manufacturer) other supported tone, uses default duration defined by ME-manufacturer]
99	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	

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.

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
		STATUS[P1='01']	accordance with TS 31.111 [15] clause 6.4.7]
6	ME → UICC	TERMINAL RESPONSE:	[normal ending]
		REFRESH 1.1.1A Or	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 1.1.1B	[additional El 3 lead]
7	LIICC → ME	PROACTIVE UICC SESSION	
	OIOO / IVIL	ENDED	
8	USER → ME	Call setup to "321"	
9		Call set up not allowed	
10		Call setup to "123"	
11	ME → 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
DEIX IEV.	<u> </u>	00	.	.	00	<u> </u>					.	

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	$ME \to UICC$	TERMINAL RESPONSE: REFRESH 1.2.1A Or	[normal ending]
		TERMINAL RESPONSE: REFRESH 1.2.1B	[additional EFs read]
6	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
7	$USER \to ME$	Call setup to "123"	
8	$ME \rightarrow USER$	Call set up not allowed	
9	$USER \to ME$	Call setup to "0123456789"	
10	$ME \to USS$	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	l 01	l 01	01	82	02	82	l 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	$ME \rightarrow$	USIM Initialization including	[ME performs USIM initialization in
	UICC	sending STATUS [P1='01']	accordance with TS 31.111 [15] clause 6.4.7]
6	$ME \rightarrow$	TERMINAL RESPONSE:	[normal ending]
	UICC	REFRESH 1.3.1A	
		Or TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 1.3.1B	[additional EFS read]
7	UICC →	PROACTIVE UICC SESSION	
,	ME	ENDED	
8	USER →	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 o	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: 1

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
DEIX IEV.	0.	00	0.	0.	02	02	02	02	0.	00	0.	00

TERMINAL RESPONSE: REFRESH 1.3.1B

Logically:

Command details

Command number: 1

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:

E	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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		REFRESH 1.4.1	
4	UICC	EF EST contents states FDN	[New EF EST value: 01]
_		enabled	r== ====
5	UICC	Update EF FDN	[EF FDN record 1 updated to contain the
6	11100	LICIM Initialization in alcoding a count	dialling string "0123456789"]
ь	ME → UICC	USIM Initialization including send STATUS[P1='01']	[ME performs USIM initialization in
7	ME THOO	TERMINAL RESPONSE:	accordance with TS 31.111 [15] clause 6.4.7] [normal ending]
'	INIE → UICC	REFRESH 1.4.1A	[Hormal ending]
		Or	
		TERMINAL RESPONSE:	[additional EFs read]
		REFRESH 1.4.1B	[additional 2: 0 load]
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$USER \to ME$	Call setup to "321"	
10	$ME \to USER$	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

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

TERMINAL RESPONSE: REFRESH 1.4.1A

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: 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
DLIX-ILV.	01	03	Οī	UI	00	02	02	02	01	03	UI	00

TERMINAL RESPONSE: REFRESH 1.4.1B

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: REFRESH performed with additional EFs read

Coding:

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

Expected Sequence 1.5 (REFRESH, UICC Reset)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \rightarrow ME$	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: 1

Command type: REFRESH

Command qualifier: UICC Reset

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	01	0.3	Λ1	Ω1	04	92	02	01	92	
DEK-ILV.	טט	US	01	03	UI	UI	04	02	02	01	02	

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
		iniode	UICC responds with '90 00']
2	$USS \to ME$	SMS-PP Data Download Message	
		1.6.1	
3	$ME \rightarrow USER$	The ME shall not display the	
		message or alert the user of a short message waiting	
4	$ME \rightarrow UICC$	ENVELOPE: SMS-PP	
	WE 70100	DOWNLOAD 1.6.1	
5	$UICC \to ME$	SW1/SW2 of '90 00'	
6	$ME \to USS$	RP-ACK	
7	$UICC \to ME$	PROACTIVE COMMAND	
8	ME → UICC	PENDING: REFRESH 1.1.1 FETCH	
9	/ 0.00	PROACTIVE COMMAND:	
		REFRESH 1.1.1	
10	UICC	EF EST contents states FDN	[New EF EST value: 01]
		enabled	
11	$ME \rightarrow UICC$	USIM Initialization including send STATUS[P1='01']	[ME performs USIM initialization in accordance with TS 31.111 [15] clause 6.4.7]
12	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[normal ending]
'-	WL → 0100	REFRESH 1.1.1A	[normal origing]
		Or	
		TERMINAL RESPONSE:	[additional EFs read]
13	11100 145	REFRESH 1.1.1B	
13	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
14	$USER \to ME$	Call setup to "321"	
15	ME → USER	Call set up not allowed	
16	$USER \to ME$	Call setup to "123"	
17	$ME \to USS$	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:

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
	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	
4.0		ENDED	
10		Call setup to "321"	
11		Call set up not allowed	
12	$USER \to ME$	Call setup to "123"	
13	$ME \to USS$	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:	01	0.2	Λ1	Λ1	ΛE	0.0	00	0.0	01	02	Λ1	$\cap \cap$
IDEK-ILV.	1 0 1	เบอ	I UI	ı uı	เบอ	02	1 02	1 02	101	ഥരാ	1 01	I UU

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)

Direction	MESSAGE / Action	Comments
$UICC{\to}ME$	PROACTIVE COMMAND PENDING: REFRESH 2.2.1	[To inform the ME that IMSI has changed]
$ME \to UICC$	FETCH	
$UICC \to ME$	PROACTIVE COMMAND: REFRESH 2.2.1	
$ME \to UICC$	STATUS[P1='02']	ME indicates to USIM that the termination procedure is starting
$ME \rightarrow UICC$		Application termination
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
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 to "FF FF FF FF"]
$ME \to UICC$	SELECT AID=USIM (P2='0x')	Application selection
$ME \to UICC$		[ME performs USIM initialization]
$ME \to UICC$	TERMINAL RESPONSE: REFRESH 2.2.1	[normal ending]
$UICC \to ME$	PROACTIVE UICC SESSION	
$ME \rightarrow USS$	LOCATION UPDATING	The ME will again register in CS and/or PS
	REQUEST and/or ATTACH REQUEST	depending on its capabilities
$USS \to ME$	LOCATION UPDATING ACCEPT and/or ATTACH ACCEPT	
$ME \to USS$	TMSI REALLOCATION	
	COMPLETE and/or ATTACH	
	$\begin{array}{c} \text{UICC} \rightarrow \text{ME} \\ \text{ME} \rightarrow \text{UICC} \\ \text{UICC} \rightarrow \text{ME} \\ \text{ME} \rightarrow \text{UICC} \\ \text{ME} \rightarrow \text{UICC} \\ \text{ME} \rightarrow \text{USS} \\ \\ \text{UICC} \\ \\ \text{ME} \rightarrow \text{UICC} \\ \text{ME} \rightarrow \text{UICC} \\ \\ \text{UICC} \rightarrow \text{ME} \\ \\ \text{ME} \rightarrow \text{USS} \\ \\ \\ \text{USS} \rightarrow \text{ME} \\ \\ \end{array}$	$\begin{array}{c cccc} \text{UICC} \rightarrow \text{ME} & \text{PROACTIVE COMMAND} \\ \text{PENDING: REFRESH 2.2.1} \\ \text{FETCH} & \text{PROACTIVE COMMAND:} \\ \text{REFRESH 2.2.1} \\ \text{ME} \rightarrow \text{UICC} & \text{STATUS[P1='02']} \\ \\ \text{ME} \rightarrow \text{UICC} & \text{IMSI DETACH INDICATION} \\ \text{and/or DETACH REQUEST} \\ \\ \text{UICC} & \text{Update EF IMSI and EF LOCI} \\ \\ \text{ME} \rightarrow \text{UICC} & \text{SELECT AID=USIM} \\ \text{(P2='0x')} \\ \text{ME} \rightarrow \text{UICC} & \text{USIM Initialization, including send} \\ \text{STATUS[P1='01']} \\ \text{ME} \rightarrow \text{UICC} & \text{REFRESH 2.2.1} \\ \text{UICC} \rightarrow \text{ME} & \text{REFRESH 2.2.1} \\ \text{UICC} \rightarrow \text{ME} & \text{PROACTIVE UICC SESSION} \\ \text{ENDED} & \text{LOCATION UPDATING} \\ \text{REQUEST and/or ATTACH} \\ \text{REQUEST} \\ \text{USS} \rightarrow \text{ME} & \text{LOCATION UPDATING ACCEPT} \\ \text{ACCATION UPDATING ACCEPT} \\ \text{TMSI REALLOCATION} \\ \end{array}$

PROACTIVE COMMAND: REFRESH 2.2.1

Logically:

Command details

Command number:

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	
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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
D_:: :- v:	, o.		.	.	00		V-		.		.	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: 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: 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.

27.22.4.7.3 REFRESH (Steering of roaming)

27.22.4.7.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.7.3.2 Conformance requirement

The ME shall support the REFRESH command as defined in:

- TS 31.111 [15] clause 6.1, clause 6.47, clause 6.6.13, clause 5.2, clause 8.2, 8.6, clause 8.7 and clause 8.90.

Consequently the Rel-7 or later ME shall support the steering of roaming procedure as defined in:

- TS 23.122 [29] clause 4.4.6.

27.22.4.7.3.3 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 steering of roaming procedure,

- a successfull return of the result of the execution of the command in the TERMINAL RESPONSE command send to the UICC.

27.22.4.7.3.4 Method of test

27.22.4.7.3.4.1 Initial conditions

For sequences 3.1 and 3.2 the ME is connected to the USIM Simulator and connected to the USS/SS.

For sequence 3.3 the ME supporting E-UTRAN is connected to the USIM Simulator and connected to the E-USS.

For sequences 3.1 and 3.2:

The elementary files are coded as Toolkit default with the following exception:

\mathbf{E}	F_{FPLMN}

Logical	lly:	PLMN1 PLMN1 PLMN1 PLMN1 PLMN1	2: 25 3: 25 4: 23 5: 23	64 002 (M 64 003 64 004 64 004 64 005 64 006	ICC MNO	C)						
Coding: Hex	B1 52 B13 32	B2 24 B14 54	B3 00 B15 00	B4 52 B16 32	B5 34 B17 64	B6 00 B18 00	B7 52	B8 44	B9 00	B10 32	B11 44	B12 00

$EF_{OPLMNwACT}$

Logica	ally:	1 st PLMN 1 st ACT: 2 nd PLMN 2 nd ACT: 3 rd PLMN 3 rd ACT: 4 th PLMN 4 th ACT: 5 th PLMN 6 th ACT: 6 th PLMN 6 th ACT: 7 th PLMN 7 th ACT: 8 th PLMN 8 th ACT:	UTRA GSM GSM UTRA C: 274 00 UTRA	01 02 AN 03 AN 04 AN 05 AN 06 AN	MNC)					
Coding:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Hex	52	14	00	80	00	52	14	00	00	80
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	72	24	00	80	00	72	34	00	80	00
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	72	44	00	80	00	72	54	00	80	00
			B33 00	B34 80	B35 00	B36 72	B37 74	B38 00	B39 80	B40 00
_										

For sequence 3.3:

The default E-UTRAN UICC, the default E-UTRAN parameters and the following parameters are used:

EF_{FPLMN}

	Logically:		PLMN1 PLMN2 PLMN3 PLMN4 PLMN5 PLMN6	2: 254 3: 254 4: 234 5: 234	254 002 (MCC MNC) 254 003 254 004 234 004 234 005 234 006								
	Coding: Hex	B1 52	B2 24		34 B5 52 34		B7 52	B8 44	B9 00	B10 32	B11 44	B12 00	
		B13 32	B14 54		316 B1 32 64								
	EF _{OPLMNw} .	ACT											
Logically:			1 st PLM 1 st ACT 2 nd PLM 2 nd ACT 3 rd PLM 3 rd ACT 4 th PLM 5 th ACT 6 th PLM 6 th ACT 7 th PLM 7 th ACT 8 th PLM 8 th ACT	C: E-U MN: 254 C: GSN MN: 274 C: E-U IN: 274	M 002 TRAN 003 TRAN 004 TRAN 005 TRAN 006 TRAN								
	Coding: Hex	B01 52	B02 14	B03 00	B04 C0	B05 00	B06 52	B07 14	B08 00	B09 00		310 30	
		B11 72	B12 24	B13 00	B14 40	B15 00	B16 72	B17 34	B18 00	B19 40		320 0	
		B21 72	B22 44	B23 00	B24 40	B25 00	B26 72	B27 54	B28 00	B29 40		330 0	
B31		B31	B32	B33	B34	B35	B36	B37	B38	B39		340	

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

27.22.4.7.3.4.2 Procedure

Expected Sequence 3.1 (REFRESH, Steering of roaming, UTRAN)

Step	Direction	MESSAGE / Action	Comments
1	USS	The first UMTS USS transmits on BCCH, with	
		the following network parameters:	
		- Attach/detach: disabled.	
		- LAI (MCC/MNC/LAC): 254/001/0001. - Access control: unrestricted.	
		The second UMTS USS transmits on BCCH,	
		with the following network parameters:	
		- Attach/detach: disabled.	
		- LAI (MCC/MNC/LAC): 254/002/0001.	
		- Access control: unrestricted.	
2	$ME \rightarrow USS$	The ME registers to the first USS.	
3	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP	
4	ME 11100	EVENT LIST 3.1.1	Event]
4	ME → UICC	FETCH PROACTIVE COMMAND: SET UP EVENT	
5	$UICC \to ME$	LIST 3.1.1	
6	ME → UICC	TERMINAL RESPONSE: SET UP EVENT	
	WIL	LIST 3.1.1	
7	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		REFRESH 3.1.1	
8	$ME \rightarrow UICC$	FETCH	
9		PROACTIVE COMMAND: REFRESH 3.1.1	
10a	UICC	Update of EF OPLMNwACT	[First entry: PLMN= 254/003,
			ACT=UTRAN, second entry: PLMN
10b	ME VIICC	Update of EF FPLMN	254/004, ACT=GERAN] [Deletion of the entries with PLMN
100	IVIE → UICC	Opuate of EF FFLIVIN	254/003 and PLMN 254/004]
10c	ME	Update of ME's internal memory	[Not explicitly verified: Deletion of
		opaato of m2 o memai memory	the FPLMN entries with PLMN
			254/003 and PLMN 254/004]
10d	$ME \rightarrow USS$	From steps 9 -13:	
		The ME does not register to another USS	
		than the currently selected and shall not send new LOCATION STATUS event to the UICC.	
11	ME → UICC	TERMINAL RESPONSE: REFRESH 3.1.1	[normal ending]
	IVIL -> 0100	TERMINAL REGISTRES RESIDENT	Note : For a pre-release 11 ME,
			the UICC simulator does not need
			to evaluate the response
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
13		Wait approx. 180 seconds	[The ME does not register to
			another USS than the currently
			selected.]
14	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
'-		REFRESH 3.1.2	
15	$ME \rightarrow UICC$	FETCH	
16	$UICC \to ME$	PROACTIVE COMMAND: REFRESH 3.1.2	
17a	UICC	Update of EF OPLMNwACT	[First entry: PLMN= 254/002,
			ACT=UTRAN,GERAN, second
			entry: PLMN 254/001,
17b	ME	Update of EF FPLMN	ACT=UTRAN,GERAN] [Deletion of the entry with PLMN
170	$ME \rightarrow UICC$	Opuale of Er Freivin	[Deletion of the entry with PLIMN 254/002]
17c	ME	Update of ME's internal memory	[Not explicitly verified: Deletion of
., 0		Space of the oritorial monory	the FPLMN entry with PLMN
			254/002]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: REFRESH 3.1.2	[normal ending]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20	$ME \rightarrow USS$	The ME registers to the second USS.	Note: The ME might have
			registered to the second USS also
	<u> </u>		before steps 18/19.

21	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD - Location Status 3.1.1	PLMN MCC/MNC: 254/002, Normal service
			Note: The ME send the Envelope after registration to the second USS, thus might have sent the
		DDOAOTIVE OOMMAND DENDING	Envelope also before steps 18/19.
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: REFRESH 3.1.3	
23	$ME \to UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: REFRESH 3.1.3	
25a	UICC	Update of EF OPLMNwACT	[First entry: PLMN= 254/003, ACT=UTRAN,GERAN, second entry: PLMN 254/001, ACT=UTRAN,GERAN]
25b	UICC	EF FPLMN	[PLMN entries 254/003 and PLMN 254/001 not existent in EF FPLMN]
25c	ME	ME's internal memory	[Not explicitly verified: PLMN entries 254/003 and PLMN 254/001 not existent in FPLMN list]
26	$ME \to UICC$	TERMINAL RESPONSE: REFRESH 3.1.2	[normal ending]
27	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
28	$ME \rightarrow USS$	The ME registers to the first USS.	Note: The ME might have registered to the first USS also before steps 26/27.
29	ME → UICC	ENVELOPE: EVENT DOWNLOAD - Location Status 3.1.2	PLMN MCC/MNC: 254/001 Note: The ME send the Envelope after registration to the first USS, thus might have sent the Envelope also before steps 26/27.
30	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 3.2.1	
31		FETCH	
32	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 3.2.1	[Event LOCATION STATUS download removed]
33	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 3.2.1	The content of the Terminal Response is not part of the evaluation of the test case
34	$USER \to ME$	SWITCH OFF ME	

PROACTIVE COMMAND: SET UP EVENT LIST 3.1.1

Same as PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 in clause 27.22.7.4.1.4.2.

TERMINAL RESPONSE: SET UP EVENT LIST 3.1.1

Same as TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 in clause 27.22.7.4.1.4.2.

PROACTIVE COMMAND: SET UP EVENT LIST 3.2.1

Same as PROACTIVE COMMAND: SET UP EVENT LIST 1.3.2 in clause 27.22.4.16.1.4.2.

TERMINAL RESPONSE: SET UP EVENT LIST 3.2.1

Same as TERMINAL RESPONSE: SET UP EVENT LIST 1.3.2 in clause 27.22.4.16.1.4.2.

PROACTIVE COMMAND: REFRESH 3.1.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

 1stPLMN:
 254/003

 1stACT:
 UTRAN

 2ndPLMN:
 254/004

 2ndACT:
 GERAN

Coding:

BER-TLV:	D0	15	81	03	01	01	07	82	02	81	82	72
	0A	52	34	00	80	00	52	44	00	00	80	

TERMINAL RESPONSE: REFRESH 3.1.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	01	07	82	02	82	81	83	01	00
D_:\ :_\.	O .	00	.	O .	0.	- C	~ <u>~</u>	U-	.		.	

PROACTIVE COMMAND: REFRESH 3.1.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/002

1stACT: UTRAN/GERAN

2ndPLMN: 254/001

2ndACT: UTRAN/GERAN

BER-TLV:	D0	15	81	03	01	01	07	82	02	81	82	72	
	0A	52	24	00	80	80	52	14	00	80	80		

TERMINAL RESPONSE: REFRESH 3.1.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	01	07	82	02	82	81	83	01	00

EVENT DOWNLOAD - LOCATION STATUS 3.1.1

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 (254/002)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)
Extended Cell ID RNC-id value, see also Note 1

Coding:

BER-TLV:	D6	15	19	01	03	82	02	82	81	1B	01	00
·	13	09	52	24	00	00	01	00	01	Note		
										1		

Note 1: The Extended Cell Identity Value is present. The values of the two bytes shall not be verified.

PROACTIVE COMMAND: REFRESH 3.1.3

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/003

1stACT: UTRAN/GERAN

2ndPLMN: 254/001

2ndACT: UTRAN/GERAN

Coding:

BER-TLV:	D0	15	81	03	01	01	07	82	02	81	82	72
	0A	52	34	00	80	80	52	14	00	80	80	

EVENT DOWNLOAD - LOCATION STATUS 3.1.2

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 (254/001)

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

Extended Cell ID RNC-id value, see also Note 1

Coding:

BER-TLV:	D6	15	19	01	03	82	02	82	81	1B	01	00
	13	09	52	14	00	00	01	00	01	Note		
										1		

Note 1: The Extended Cell Identity Value is present. The values of the two bytes shall not be verified.

Expected Sequence 3.2 (REFRESH, Steering of roaming, InterRAT)

Step	Direction	MESSAGE / Action	Comments
1	USS	The UMTS USS transmits on BCCH, with the	
		following network parameters:	
		- Attach/detach: disabled. - LAI (MCC/MNC/LAC): 254/001/0001.	
		- Access control: unrestricted.	
		The GSM SS transmits on BCCH, with the	
		following network parameters:	
		- Attach/detach: disabled.	
		- LAI (MCC/MNC/LAC): 254/002/0001.	
		- Cell ID: 0001 - Access control: unrestricted.	
2	ME → USS	The ME registers to the UMTS USS and	
_	WE 7 000	achieves updated idle mode.	
3	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP	
		EVENT LIST 3.1.1	Event]
5	ME → UICC	FETCH	
	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 3.1.1	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 3.1.1	
7	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
	145	REFRESH 3.2.1	
8	ME → UICC	PROACTIVE COMMAND: REFRESH 3.2.1	
10a	UICC → ME UICC	Update of EF OPLMNwACT	[First entry: PLMN= 254/002,
100	0100	opuate of El Of ElvirowAC1	ACT= GERAN, second entry:
			PLMN 254/001, ACT=UTRAN]
10b	$ME \rightarrow UICC$	Update of EF FPLMN	[Deletion of the entry with PLMN 254/002]
10c	ME	Update of ME's internal memory	[Not explicitly verified: Deletion of the FPLMN entry with PLMN
11	ME → UICC	TERMINAL RESPONSE: REFRESH 3.1.2	254/002] [normal ending]
12	$UICC \rightarrow ME$	PROACTIVE UICC SESSION ENDED	[Horman ending]
13	ME → USS	The ME registers to the GSM SS and is in	Note: The ME might have
	, 555	updated idle mode.	registered to the second USS also before steps 11/12.
14	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Location Status 3.2.1	PLMN MCC/MNC: 254/002, Normal service
			Note: The ME send the Envelope after registration to the GSM SS, thus might have sent the Envelope
			also before steps 11/12.
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: REFRESH 3.2.2	
16	$ME \rightarrow UICC$	FETCH	
17	UICC → ME	PROACTIVE COMMAND: REFRESH 3.2.2	
18a	UICC	Update of EF OPLMNwACT	[First entry: PLMN= 254/001, ACT= UTRAN, second entry: PLMN 254/002, ACT=GERAN]
18b	UICC	EF FPLMN	[Entries with PLMN 254/002 and PLMN 254/001 not existent in EF
18c	ME	ME's internal memory	FPLMN] [Not explicitly verified: FPLMN
100	IVIL	internal memory	entries with PLMN 254/002 and PLMN 254/001 not existent in FPLMN list]
19	$ME \rightarrow UICC$	TERMINAL RESPONSE: REFRESH 3.1.2	[normal ending]
20	UICC → ME	PROACTIVE UICC SESSION ENDED	r
21	ME → USS	The ME registers to the UMTS USS and is in	Note: The ME might have
		updated idle mode.	registered to the first USS also before steps 19/20.

22	ME → UICC		PLMN MCC/MNC: 254/001 Note: The ME send the Envelope after registration to the first USS, thus might have sent the Envelope also before steps 19/20.
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 3.2.1	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 3.2.1	[Event LOCATION STATUS download removed]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 3.2.1	The content of the Terminal Response is not part of the evaluation of the test case
27	$USER \to ME$	SWITCH OFF ME	

PROACTIVE COMMAND: REFRESH 3.2.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

 1stPLMN:
 254/002

 1stACT:
 GERAN

 2ndPLMN:
 254/001

 2ndACT:
 UTRAN

Coding:

BER-TLV:	D0	15	81	03	01	01	07	82	02	81	82	72
	0A	52	24	00	00	80	52	14	00	80	00	

PROACTIVE COMMAND: REFRESH 3.2.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

 1stPLMN:
 254/003

 1stACT:
 GERAN

 2ndPLMN:
 254/001

 2ndACT:
 UTRAN

BER-TLV:	D0	15	81	03	01	01	07	82	02	81	82	72
·	0A	52	34	00	00	80	52	14	00	80	00	

EVENT DOWNLOAD - LOCATION STATUS 3.2.1

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 (254/002)

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

Coding:

BER-TLV:	D6	13	19	01	03	82	02	82	81	1B	01	00
	13	07	52	24	00	00	01	00	01			

EVENT DOWNLOAD - LOCATION STATUS 3.1.2

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 (254/001)

LAC the location Area Code (0001)
Cell ID Cell Identity Value (0001)
Extended Cell ID: RNC-id value, see also Note 1

BER-TLV:	D6	15	19	01	03	82	02	82	81	1B	01	00
	13	09	52	14	00	00	01	00	01	Note		
										1		

Note 1: The Extended Cell Identity Value is present. The values of the two bytes shall not be verified.

Expected Sequence 3.3 (REFRESH, Steering of roaming, E-UTRAN)

Step	Direction	MESSAGE / Action	Comments
1	E-USS	The first E-USS transmits on BCCH, with the	
		following network parameters:	
		- Attach/detach: disabled.	
		- TAI (MCC/MNC/TAC): 254/001/0001.	
		- Access control: unrestricted. The second E-USS transmits on BCCH, with	
		the following network parameters:	
		- Attach/detach: disabled.	
		- TAI (MCC/MNC/TAC): 254/002/0001.	
		- Access control: unrestricted.	
2	$ME \rightarrow E\text{-}USS$	The ME registers to the first E-USS.	
3	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP	[Setting up LOCATION STATUS
		EVENT LIST 3.1.1	Event]
4		FETCH	
5	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT	
		LIST 3.1.1	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT	
7	UICC → ME	LIST 3.1.1 PROACTIVE COMMAND PENDING:	
'		REFRESH 3.3.1	
8	ME → UICC	FETCH	
9	UICC → ME	PROACTIVE COMMAND: REFRESH 3.3.1	
10a	UICC	Update of EF OPLMNwACT	[First entry: PLMN= 254/003,
	3.00		ACT=E-UTRAN,UTRAN, second
			entry: PLMN 254/004,
			ACT=GERAN]
10b	$ME \rightarrow UICC$	Update of EF FPLMN	[Deletion of the entries with PLMN
			254/003 and PLMN 254/004]
10c	ME	Update of ME's internal memory	[Not explicitly verified: Deletion of
			the FPLMN entries with PLMN
10d	ME \E-USS	From steps 9 -13:	254/003 and PLMN 254/004]
100		The ME does not register to another E-USS	
		than the currently selected and shall not send	
		new LOCATION STATUS event to the UICC.	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: REFRESH 3.3.1	[normal ending]
			Note : For a pre-release 11 ME,
			the UICC simulator does not need
40	LUCO ME	DDOACTIVE LUCC CECCION ENDED	to evaluate the response
12 13	UICC → ME	PROACTIVE UICC SESSION ENDED	The ME does not register to
13		Wait approx. 180 seconds	[The ME does not register to another E-USS than the currently
			selected.]
			3.55.55.1
14	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		REFRESH 3.3.2	
15	$ME \rightarrow UICC$	FETCH	
16	$UICC \to ME$	PROACTIVE COMMAND: REFRESH 3.3.2	
17a	UICC	Update of EF OPLMNwACT	[First entry: PLMN= 254/002,
			ACT=E-UTRAN,UTRAN,GERAN,
			second entry: PLMN 254/001,
17b	ME → UICC	Update of EF FPLMN	ACT=E-UTRAN,UTRAN,GERAN] [Deletion of the entry with PLMN
170	IVIE → UICC	Opuale OI EF FFLIVIIN	[254/002]
17c	ME	Update of ME's internal memory	[Not explicitly verified: Deletion of
''		Space of the original monory	the FPLMN entry with PLMN
			254/002]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: REFRESH 3.3.2	[normal ending]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20		The ME registers to the second E-USS.	Note: The ME might have
1			registered to the second USS also
			before steps 18/19.
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	Note: The ME might have registered to the second USS also

21	$ME \to UICC$	ENVELOPE: EVENT DOWNLOAD - Location Status 3.3.2	PLMN MCC/MNC: 254/002 Note: The ME send the Envelope after registration to the second USS, thus might have sent the Envelope also before steps 18/19.
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: REFRESH 3.1.3	
23	/ 0.00	FETCH	
24		PROACTIVE COMMAND: REFRESH 3.3.3	
25a	UICC	Update of EF OPLMNwACT	[First entry: PLMN= 254/003, ACT=E-UTRAN,UTRAN,GERAN, second entry: PLMN 254/001, ACT=E-UTRAN,UTRAN,GERAN]
25b	UICC	EF FPLMN	[PLMN entries 254/003 and PLMN 254/001 not existent in EF FPLMN]
25c	ME	ME's internal memory	[Not explicitly verified: PLMN entries 254/003 and PLMN 254/001 not existent in FPLMN list]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: REFRESH 3.3.2	[normal ending]
27	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
28	$ME \to E\text{-}USS$	The ME registers to the first E-USS.	Note: The ME might have registered to the first USS also before steps 26/27.
29	ME → UICC	ENVELOPE: EVENT DOWNLOAD - Location Status 3.3.3	PLMN MCC/MNC: 254/001 Note: The ME send the Envelope after registration to the second USS, thus might have sent the Envelope also before steps 26/27.
30	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 3.2.1	
31	$ME \to UICC$		
32		PROACTIVE COMMAND: SET UP EVENT LIST 3.2.1	[Event LOCATION STATUS download removed]
33	,	TERMINAL RESPONSE: SET UP EVENT LIST 3.2.1	The content of the Terminal Response is not part of the evaluation of the test case
34	$USER \rightarrow ME$	SWITCH OFF ME	

PROACTIVE COMMAND: REFRESH 3.3.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/003

1stACT: E-UTRAN, UTRAN

2ndPLMN: 254/004 2ndACT: GERAN

BER-TLV:	D0	15	81	03	01	01	07	82	02	81	82	72
	0A	52	34	00	C0	00	52	44	00	00	80	

TERMINAL RESPONSE: REFRESH 3.3.1

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	01	07	82	02	82	81	83	01	00
	0.	00	0.	0.	01	02	02	02	0.	00		00

PROACTIVE COMMAND: REFRESH 3.3.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/002

1stACT: E-UTRAN/UTRAN/GERAN

2ndPLMN: 254/001

2ndACT: E-UTRAN/UTRAN/GERAN

Coding:

BER-TLV:	D0	15	81	03	01	01	07	82	02	81	82	72
	0A	52	24	00	C0	80	52	14	00	C0	80	

TERMINAL RESPONSE: REFRESH 3.3.2

Logically:

Command details

Command number: 1

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	01	07	82	02	82	81	83	01	00

EVENT DOWNLOAD - LOCATION STATUS 3.3.2

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 (254/002)

TAC 0001

E-UTRAN cell id: 0001 (28bits)

Coding:

BER-TLV:	D6	15	19	01	03	82	02	82	81	1B	01	00
	13	09	52	24	00	00	01	00	00	00	1F	

PROACTIVE COMMAND: REFRESH 3.3.3

Logically:

Command details

Command number:

Command type: REFRESH

Command qualifier: Steering of roaming

Device identities

Source device: UICC Destination device: ME

PLMNwACT List

1stPLMN: 254/003

1stACT: E-UTRAN/UTRAN/GERAN

2ndPLMN: 254/001

2ndACT: E-UTRAN/UTRAN/GERAN

Coding:

BER-TLV:	D0	15	81	03	01	01	07	82	02	81	82	72
	0A	52	34	00	C0	80	52	14	00	C0	80	

EVENT DOWNLOAD - LOCATION STATUS 3.3.3

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 (254/001)

TAC 0001

E-UTRAN cell id: 0001 (28bits)

Coding:

BER-TLV:	D6	15	19	01	03	82	02	82	81	1B	01	00
	13	09	52	14	00	00	01	00	00	00	1F	

27.22.4.7.3.5 Test requirement

The ME shall operate in the manner defined in expected sequences 3.1 to 3.3.

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	ICC Comman	d 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.

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)

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 UIC	CC Command	I 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.

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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, 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.

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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.

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 connected to the USS.

27.22.4.10.1.4.2 Procedure

Expected Sequence 1.1 (Void)

Expected Sequence 1.2 (Void)

Expected Sequence 1.3 (Void)

Expected Sequence 1.4 (Void)

Expected Sequence 1.5 (Void)

Expected Sequence 1.6 (Void)

Expected Sequence 1.7 (Void)

Expected Sequence 1.8 (Void)

Expected Sequence 1.9 (Send Short Message over CS, UTRAN/GERAN)

Perform the "CS related procedure" and continue with "Generic Test Procedure 1 (SEND SHORT MESSAGE)" as defined clause 27.22.4.10.7.4.2 as "Expected Sequence 1.9" with the following parameters:

- Used Network Simulator (NWS): USS (UMTS System Simulator or System Simulator)
- CS is used to send and receive short messages
- ME supports UTRAN or GERAN

CS related procedure:

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	The ME is switched on	ME will perform Profile Download and USIM
			initialisation
2	$ME \rightarrow NWS$	ME performs regular network	
		registration.	
3		CONTINUE WITH STEP 4 Generic	
		Test Procedure 1 (SEND SHORT	
		MESSAGE) in clause	
		27.22.4.10.7.4.2	

27.22.4.10.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.9.

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	
1		PENDING: SEND SHORT	
		MESSAGE 2.1.1	
2	ME → UICC	FETCH	for a discount or assistant AO hit data1
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	Bispidy Odi Aborbivii E	"Hello" in Russian, 0x80 coding of UCS2
			format
5	$ME \to USS$	Send SMS-PP (SEND SHORT	Cyrillic
		MESSAGE) Message 2.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
8	$UICC \to ME$	SHORT MESSAGE 2.1.1 PROACTIVE UICC SESSION	
		ENDED	
9	$UICC \to ME$	PROACTIVE COMMAND	
1	· -	PENDING: SEND SHORT	
		MESSAGE 2.1.2	
10	$ME \rightarrow UICC$	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND SEND SHORT MESSAGE 2.1.2	
12	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	[Alpha Identifier]
12	IVIE → 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	$USS \to ME$	SMS RP-ACK	
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
16	$UICC \to ME$	SHORT MESSAGE 2.1.1 PROACTIVE UICC SESSION	
'0		ENDED	
17	$UICC \to ME$	PROACTIVE COMMAND	
1		PENDING: SEND SHORT	
		MESSAGE 2.1.3	
18	ME → UICC	FETCH	II ICCO alababati
19	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 2.1.3	[UCS2 alphabet]
20	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	[Alpha Identifier]
20	IVIL -> USER	Display Odi / DOI D/MIL	"Hello" in Russian, 0x82 coding of UCS2
			format
21	$ME \to USS$	Send SMS-PP (SEND SHORT	
		MESSAGE) Message 2.1	
22	USS → ME	SMS RP-ACK	
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
24	LUCC ME	SHORT MESSAGE 2.1.1 PROACTIVE UICC SESSION	
24	$UICC \to ME$	ENDED	
1	I	1	ı

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	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: 2.1.2

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"

Coding:

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
	A3	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: 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 The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data Message class class 0 TP-UDL 24

TP-UD "ЗДРАВСТВУЙТЕ"

Coding:

BER-TLV:	D0	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	08	18	04	17	04	14	04	20
	04	10	04	12	04	21	04	22	04	12	04	23
	04	19	04	22	04	15						

TERMINAL RESPONSE: SEND SHORT MESSAGE 2.1.1

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:

		00				00		0.0				
BER-TLV:	81	I 03	l 01	l 13	00	l 82	02	l 82	l 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

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: "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 TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8bit-data
Message class class 0
TP-UDL 12

TP-UD "Test Message"

Icon Identifier

Icon Qualifier self-explanatory

Icon Identifier 1 (number of record in EF IMG)

Coding:

BER-TLV:	D0	3B	81	03	01	13	00	82	02	81	83	85
•	07	4E	4F	20	49	43	4F	4E	86	09	91	11
	22	33	44	55	66	77	F8	8B	18	01	00	09
	91	10	32	54	76	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 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 3.1.1A

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
DEIX IEV.	0.	00	0 1	10	00	02	02	02	0 1	00	0.	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	$ME \rightarrow USS$	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, 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 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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data]
		SHORT MESSAGE 3.2.1	
4	$ME \rightarrow USER$	display the icon and "Send SM"	[basic icon non-self-explanatory]
5	$ME \to USS$	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]
		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 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 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 3.2.1A

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

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	$ME \rightarrow USS$	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 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:

- 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	,	FETCH	
3	UICC → ME	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.1.1	[packing not required, SMS default alphabet]
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with left 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 4.1.1	[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 → 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	$ME \rightarrow USS$	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 4.1.1	[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 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 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-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 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: 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
DEIX IEV.	01	03	01	10	00	02	02	02	01	00	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:

- 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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.2.1	[packing not required, SMS default alphabet]
4	$ME \to USER$	Display "Text Attribute 1"	[Message shall be formatted with center alignment]
5	$ME \to USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \to UICC$	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	$ME \to USER$	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	$ME \to USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \to UICC$	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 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: 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

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:

- 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.

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	$ME \rightarrow USER$	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 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
DEIX IEV.	01	03	01	10	00	02	02	02	01	00	01	00

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:

- 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.

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	
	NAT 11100	MESSAGE 4.4.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
4	ME LICED	SHORT MESSAGE 4.4.1 Display "Text Attribute 1"	[Message shall be formatted with large font
4	$ME \rightarrow USER$	Display Text Attribute 1	size
5	$ME \to USS$	Send SMS-PP (SEND SHORT	3120]
	WIE 7 000	MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.4.1	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
9	ME LUCC	MESSAGE 4.4.2 FETCH	
10	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
10		SHORT MESSAGE 4.4.2	[packing not required, Sino default alphabet]
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with normal font
	, 00		size]
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 4.4.1	[Command performed successfully]
15	$UICC \to ME$	PROACTIVE COMMAND	
'3		PENDING: SEND SHORT	
		MESSAGE 4.4.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.4.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with large font
10	ME LICC	Cond CMC DD (CEND CHODE	size]
19	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
20	$USS \to ME$	SMS RP-ACK	
21	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
	, 5.55	SHORT MESSAGE 4.4.1	71
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 4.4.3	
23	ME → UICC	FETCH	for a live a set or series of CMO defectly also be at
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
20	IVIL -> UOLK	Display Toke Millions 0	size
26	$ME \to USS$	Send SMS-PP (SEND SHORT	1
		MESSAGE) Message 4.1	
27	$USS \to ME$	SMS RP-ACK	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.4.1	

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 " "

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	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: 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

27.22.4.10.4.4.5 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:

- 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.

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 → UICC	MESSAGE 4.5.1 FETCH	
3	UICC → ME	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
	Oldo / WIE	SHORT MESSAGE 4.5.1	[[pasiming not required, eme delacin dipinatel]
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with small font
_	ME	Card CMC DD (CEND CLIODT	size]
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	[Command performed successfully]
		SHORT MESSAGE 4.5.1	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT MESSAGE 4.5.2	
9	ME → UICC	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.5.2	
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	Sizej
		MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
15	$UICC \to ME$	SHORT MESSAGE 4.5.1 PROACTIVE COMMAND	
10	0100 → IVIL	PENDING: SEND SHORT	
		MESSAGE 4.5.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.5.1	[packing not required, SMS default alphabet]
18	ME → USER	Display "Text Attribute 1"	[Message shall be formatted with small font
			size]
19	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
20	$USS \to ME$	MESSAGE) Message 4.1 SMS RP-ACK	
21	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
	WIE 7 0100	SHORT MESSAGE 4.5.1	[command ponomica cascossian]]
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
23	ME → UICC	MESSAGE 4.5.3 FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.5.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with normal font
26	ME LISS	Send SMS-PP (SEND SHORT	size]
26	$ME \rightarrow USS$	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	08	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 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 4.5.3

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 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	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:

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:

- 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.

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 → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
4	ME → USER	SHORT MESSAGE 4.6.1 Display "Text Attribute 1"	[Message shall be formatted with bold on]
5	ME → USS	Send SMS-PP (SEND SHORT	[Message shall be formatted with bold on]
3	IVIE → USS	MESSAGE) Message 4.1	
6	$USS \to ME$	SMS RP-ACK	
7	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.6.1	, , , , , , , , , , , , , , , , , , , ,
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 4.6.2	
9	ME → UICC	FETCH	[
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.6.2	[packing not required, SMS default alphabet]
11	ME → USER	Display "Text Attribute 2"	[Message shall be formatted with bold off]
12	ME → USS	Send SMS-PP (SEND SHORT	[weedage shall be formation with bold on]
	WIE 7 000	MESSAGE) Message 4.1	
13	$USS \to ME$	SMS RP-ACK	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		SHORT MESSAGE 4.6.1	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
16	ME → UICC	MESSAGE 4.6.1 FETCH	
17	$UICC \to DICC$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
''		SHORT MESSAGE 4.6.1	[packing not required, Sivio default alphabet]
18	ME → 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	$USS \to ME$	SMS RP-ACK	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
00		SHORT MESSAGE 4.6.1	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT MESSAGE 4.6.3	
23	ME → UICC	FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
	3.00 / IIIL	SHORT MESSAGE 4.6.3	g g as
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	$USS \to ME$	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-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 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 " "

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	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
DEIX IEV.	0.	00	0 1	10	00	02	02	02	0 1	00	0.	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:

- 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.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.7.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with italic on]
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT	
_		MESSAGE) Message 4.1	
6	USS → ME	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.7.1	[Command performed successfully]
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]
		SHORT MESSAGE 4.7.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with italic 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]
45		SHORT MESSAGE 4.7.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT	
		MESSAGE 4.7.1	
16	ME → UICC	FETCH	
17	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
''	OIOO / WIL	SHORT MESSAGE 4.7.1	[pasking not required, Sivie delactical phaset]
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with italic on]
19	$ME \to USS$	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 4.7.1	
22	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
23	ME LUCC	MESSAGE 4.7.3 FETCH	
23	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
		SHORT MESSAGE 4.7.3	[paoking not required, Sivio delauit alphabet]
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with italic off]
26	ME → USS	Send SMS-PP (SEND SHORT	5
		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 " "

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	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:

- 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.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.1	[packing not required, SMS default alphabet]
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with underline on]
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 4.8.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE COMMAND 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	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with underline off]
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 4.8.1	[Command performed successfully]
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.8.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.1	[packing not required, SMS default alphabet]
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with underline on]
19	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	
20	$USS \to ME$	SMS RP-ACK	
21	ME → UICC	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.8.1	[Command performed successfully]
22	UICC → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.8.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.8.3	[packing not required, SMS default alphabet]
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with underline off]
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 4.8.1	[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 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 4.8.3

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 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	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: 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
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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:

- 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.

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 LUCC	MESSAGE 4.9.1 FETCH	
3	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[packing not required, SMS default alphabet]
	OICC → IVIL	SHORT MESSAGE 4.9.1	[packing not required, Sivio default alphabet]
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with strikethrough on]
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	<i>v</i> .
6	$USS \to ME$	SMS RP-ACK	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.9.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.9.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.2	[packing not required, SMS default alphabet]
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with strikethrough off]
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	[Command performed successfully]
15	$UICC \to ME$	SHORT MESSAGE 4.9.1 PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.9.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.1	[packing not required, SMS default alphabet]
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with strikethrough on]
19	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 4.1	<i>v</i> .
20	$USS \to ME$	SMS RP-ACK	
21	ME → UICC	TERMINAL RESPONSE: SEND SHORT MESSAGE 4.9.1	[Command performed successfully]
22	UICC → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 4.9.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 4.9.3	[packing not required, SMS default alphabet]
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with strikethrough off]
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 4.9.1	[Command performed successfully]

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 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	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: 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
-------------	-------	-------	-------	----	----	----	----	----

27.22.4.10.4.9.5 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:

- 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.

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	$ME \rightarrow UICC$	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	$ME \rightarrow USS$	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 4.10.1	[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	
		PENDING: SEND SHORT	
2	ME LUCC	MESSAGE 5.1.1	
2 3	ME → UICC	FETCH PROACTIVE COMMAND: SEND	[packing not required, 16-bit data]
3	$UICC \to ME$	SHORT MESSAGE 5.1.1	[packing not required, 16-bit data]
4	ME → USER	Display "中一"	[Alpha Identifier]
			"Middle 1" in Chinese, 0x80 coding of UCS2 format
5	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 5.1	
6	$USS \to ME$	SMS RP-ACK	
7	ME → UICC	TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	UICC → ME	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 5.1.2	
10	$ME \rightarrow UICC$	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND SEND SHORT MESSAGE 5.1.2	
12	ME → USER	Display "中一"	[Alpha Identifier] "Middle 1" in Chinese, 0x81 coding of UCS2 format
13	$ME \rightarrow USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 5.1	
14	$USS \to ME$	SMS RP-ACK	
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 5.1.1	[Command performed successfully]
16	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
17	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SHORT MESSAGE 5.1.3	
18	$ME \rightarrow UICC$	FETCH	
19	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 5.1.3	[UCS2 alphabet]
20	$ME \rightarrow USER$	Display "中一"	[Alpha Identifier] "Middle 1" in Chinese, 0x82 coding of UCS2 format
21	$ME \to USS$	Send SMS-PP (SEND SHORT MESSAGE) Message 5.1	
22	$USS \to ME$	SMS RP-ACK	
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
24	$UICC \to ME$	SHORT MESSAGE 5.1.1 PROACTIVE UICC SESSION ENDED	

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "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	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	80	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"

Coding:

BER-TLV:	01	01	09	91	10	32	54	76	F8	40	08	04
	4E	2D	4E	00								

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.2

Logically:

Command details

Command number:

SEND SHORT MESSAGE Command type: packing not required

Command qualifier:

Device identities

Source device: **UICC** Destination device: Network "中一" 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-VP field not present TP-VPF

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT TP-UDHI The TP-UD field contains only the short message

A status report is not requested TP-SRR

"00" TP-MR

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

"012345678" Address value

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data Message class class 0 TP-UDL 24 "中一" TP-UD

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	08	04	4E	2D	4E	00	

PROACTIVE COMMAND: SEND SHORT MESSAGE: 5.1.3

Logically:

Command details

Command number:

Command type: SEND SHORT MESSAGE Command qualifier: packing not required

Device identities

Source device: **UICC** Destination device: Network "中一" Alpha identifier:

Address

TON: International number

"ISDN / telephone numbering plan" NPI:

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	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	$USS \to ME$	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 → 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./レ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 pm"

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 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/ ν 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)

 $\begin{array}{ll} \text{Message class} & \text{class 0} \\ \text{TP-UDL} & 10 \\ \text{TP-UD} & "80 / \nu 1" \end{array}$

Coding:

Coding	01	01	09	91	10	32	54	76	F8	40	08	80
	00	38	00	30	30	EB	00	31				

TERMINAL RESPONSE: SEND SHORT MESSAGE 6.1.1

Logically:

Command details

Command number: 1

SEND SHORT MESSAGE Command type: Command qualifier: packing not required

Device identities

ME Source device: Destination device: **UICC**

Result

General Result: Command performed successfully

Coding:

BER-TLV: 81 03 01	13 00 82	02 82	81 83	01 00
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PROACTIVE COMMAND: SEND SHORT MESSAGE: 6.1.2

Logically:

Command details

Command number: 1

SEND SHORT MESSAGE Command type: Command qualifier: 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

SMS-SUBMIT TP-MTI

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

A status report is not requested TP-SRR

"00" TP-MR

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

"012345678" Address value

TP-PID Short message type 0

TP-DCS

Message coding 16-bit data class 0 Message class TP-UDL 10 TP-UD "80ル2"

Coding:

BER-TLV:	D0	33	81	03	01	13	00	82	02	81	83	85	l
	07	81	04	61	38	31	EB	31	86	09	91	11	l
	22	33	44	55	66	77	F8	8B	14	01	00	09	l
	91	10	32	54	76	F8	40	08	08	00	38	00	l
	30	30	EB	00	32								l

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)

Coding:

Coding	01	01	09	91	10	32	54	76	F8	40	80	08
	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

Command qualifier: packing not required

Device identities

Source device: UICC
Destination device: Network
Alpha identifier: "82/\(\begin{align*}{c} \begin{align*}{c} \begin{align

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 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 coding16-bit dataMessage classclass 0TP-UDL10TP-UD"80 / ▶ 3"

BER-TLV:	D0	34	81	03	01	13	00	82	02	81	83	85
	08	82	04	30	A0	38	32	CB	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/V3"

Coding:

Coding	01	01	09	91	10	32	54	76	F8	40	80	08
	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.

27.22.4.10.7 SEND SHORT MESSAGE (IMS)

27.22.4.10.7.1 Definition and applicability

See clause 3.2.2.

That the UE correctly implemented the role of an SMS-over-IP sender is tested in clause 18.1 of TS 34.229-1 [36].

27.22.4.10.7.2 Conformance requirement

The ME shall support the Proactive UICC: SEND SHORT MESSAGE facility for SMS over IP according to:

- 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.
- TS 31.103 [35].
- TS 34.229-1 [36], Annexes C.2, C.17 and C.18.
- TS 24.341 [37], clause 5.3.1.

27.22.4.10.7.3 Test purpose

- 1) To verify that the ME correctly formats and sends a short message via IMS to the E-USS/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.
- 2) To verify that the ME uses the default service address as indicated in EF SMSP if no service center address is available in the Send Short Message command.
- 3) To verify that a device of Class ND does not reject the Send Short Message command if the proactive Send Short Message command contains an alpha identifier.

27.22.4.10.7.4 Method of test

27.22.4.10.7.4.1 Initial conditions

The ME is connected to the USIM Simulator. The elementary files are coded as defined for the E-UTRAN/EPC ISIM-UICC in clause 27.22.2C.

For sequence 7.1 the ME is additionally connected to the E-USS.

For sequence 7.2 the ME is additionally connected to the USS.

27.22.4.10.7.4.2 Procedure

Expected Sequence 7.1 (SEND SHORT MESSAGE, SMS-over-IP, E-UTRAN)

Perform the "IMS related procedure 1" and continue with "Generic Test Procedure 1 (SEND SHORT MESSAGE)" as defined in this clause as "Expected Sequence 7.1" with the following parameters:

- Used Network Simulator (NWS): E-USS
- SMS-over-IP is used to send and receive short messages
- ME supports eFDD or eTDD and SMS-over-IP

Expected Sequence 7.2 (SEND SHORT MESSAGE, SMS-over-IP, UTRAN)

Perform the "IMS related procedure 1" and continue with "Generic Test Procedure 1 (SEND SHORT MESSAGE)" as defined in this clause as "Expected Sequence 7.2" with the following parameters:

- Used Network Simulator (NWS): USS (UMTS System Simulator only)
- SMS-over-IP is used to send and receive short messages
- ME supports UTRAN and SMS-over-IP

IMS related procedure 1:

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	The ME is switched on	ME will perform Profle Download, USIM and ISIM initialisation
2	ME → NWS	discoveres P-CSCF and registers with the values from the ISIM to IMS services	For E-UTRAN: The EPS bearer context activation according to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.18 is performed For UTRAN: For SMS-over-IP a PDP context activation according to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.17 is performed.
3		CONTINUE WITH STEP 4 Generic Test Procedure 1 (SEND SHORT MESSAGE)	

Generic Test Procedure 1 (SEND SHORT MESSAGE)

Step	Direction	MESSAGE / Action	Comments
4	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 7.1.1	
5	$ME \rightarrow UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.1	[packing not required, SMS default alphabet]
7	$ME \rightarrow NWS$	Send RP-DATA containing SMS-PP (SEND SHORT MESSAGE)	See Note 1.
		Message 7.1	In case of SMS-over-IP the RP-
		, and the second	Destination Address (SM Service
			Center Address within the RP-
			DATA) is taken from the ISIM (EF
			SMSP)
8	$NWS \rightarrow ME$	RP-ACK	See Note 2.
9	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
	IVIL → OICC	SHORT MESSAGE 7.1.1	[Command performed successfully]
10	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
		MESSAGE 7.1. 2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.2	[packing required, 8 bit data]
13	$ME \rightarrow USER$	Display "The address data object	[Alpha Identifier not to be displayed
		holds the RP_Destination_Address	by Terminals of Class_ND]
4.4	145 1840	"	0 N
14	$ME \rightarrow NWS$	Send RP-DATA containing SMS-PP(SEND SHORT MESSAGE)	See Note 1.
		Message 7.2	
15	$NWS \rightarrow ME$	RP-ACK	See Note 2.
16	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
	7 0100	SHORT MESSAGE 7.1.2	[
17	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
4.0		MESSAGE 7.1.3	
18	ME → UICC	FETCH	
19	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.3	[packing not required, SMS default alphabet]
20	ME → USER	Display "The address data object	[Alpha Identifier not to be displayed
20	IVIL -> USLIK	holds the RP Destination Address "	by Terminals of Class_ND]
21	$ME \rightarrow NWS$	Send RP-DATA containing SMS-	See Note 1.
		PP (SEND SHORT MESSAGE)	
		Message 7.3	
22	$NWS \rightarrow ME$	RP-ACK	See Note 2.
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.3	[Command performed successfully]
24	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SHORT	
05	NAT LUGG	MESSAGE 7.1.4	
25	ME → UICC	PROACTIVE COMMAND: SEND	[packing not required, 8-bit data]
26	UICC → ME	SHORT MESSAGE 7.1.4	
27	ME NIMC	No information to user	[Alpha identifier length '00']
28	ME → NWS	Send RP-DATA containing SMS- PP (SEND SHORT MESSAGE)	See Note 1.
20	NIMO NAT	Message 7.4	See Note 2
29	NWS → ME	RP-ACK	See Note 2.
30	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.4	[Command performed successfully]
31	$UICC \to ME$	PROACTIVE COMMAND	
	J.CC / IVIL	PENDING: SEND SHORT	
		MESSAGE 7.1.5	
32	$ME \rightarrow UICC$	FETCH	

33	$UICC \to ME$	PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.5	[packing not required, 8-bit data]
34	$ME \to USER$	May give information to user concerning what is happening	[No Alpha Identifier]
35	$ME \rightarrow NWS$	Send RP-DATA containing SMS- PP (SEND SHORT MESSAGE) Message 7.5	See Note 1.
36	$NWS \to ME$	RP-ACK	See Note 2.
37		TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.5	[Command performed successfully]
38	$USER \to ME$	The ME is switched off	

Note 1:

In case of IMS the RP-DATA is contained in the SIP MESSAGE which is built according to TS 24.341 [37], clause 5.3.1.2 including PSI of the SMSC from EF PSISMSC.

Note 2:

In case of IMS the RP-ACK message is contained in the message body of the SIP MESSAGE.

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.1

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

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 13

TP-UD "Short Message"

Coding:

BER-TLV:	D0	23	81	03	01	13	00	82	02	81	83	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 7.1

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 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	CB	F3	79	F8	5C	06

TERMINAL RESPONSE: SEND SHORT MESSAGE 7.1.1/7.1.3/7.1.4, 7.1.5

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

Coding:

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

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.2

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: "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-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								

SMS-PP (SEND SHORT MESSAGE) Message 7.2

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 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	CB	73	50	58	5E
	06	91	CB	E6	B4	BB	4C	D6	81	5A	A0	20
	68	8E	7E	СВ	E9	A0	76	79	3E	0F	9F	CB
	20	FA	1B	24	2E	83	E6	65	37	1D	44	7F
	83	E8	E8	32	C8	5D	A6	DF	DF	F2	35	28
	ED	06	85	DD	A0	69	73	DA	9A	56	85	CD
	24	15	D4	2E	CF	E7	E1	73	99	05	7A	CB
	41	61	37	68	DA	9C	B6	86	CF	66	33	E8
	24	82	DA	E5	F9	3C	7C	2E	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 7.1.2

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

Coding:

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

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.3

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE packing not required

Device identities

Source device: UICC
Destination device: Network

Alpha identifier: "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"

Coding:

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	CB	73	50	58	5E	06
	91	CB	E6	B4	BB	4C	D6	81	5A	A0	20	68
	8E	7E	CB	E9	A0	76	79	3E	0F	9F	CB	20
	FA	1B	24	2E	83	E6	65	37	1D	44	7F	83
	E8	E8	32	C8	5D	A6	DF	DF	F2	35	28	ED
	06	85	DD	A0	69	73	DA	9A	56	85	CD	24
	15	D4	2E	CF	E7	E1	73	99	05	7A	CB	41
	61	37	68	DA	9C	B6	86	CF	66	33	E8	24
	82	DA	E5	F9	3C	7C	2E	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
	CB	64	10	5D	1E	76	CF	E1				
	OD	U T	10	JD		70	Oi	L L I			<u> </u>	l

SMS-PP (SEND SHORT MESSAGE) Message 7.3

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 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	CB	73	50	58	5E	06
	91	CB	E6	B4	BB	4C	D6	81	5A	A0	20	68
	8E	7E	CB	E9	A0	76	79	3E	0F	9F	CB	20
	FA	1B	24	2E	83	E6	65	37	1D	44	7F	83
	E8	E8	32	C8	5D	A6	DF	DF	F2	35	28	ED
	06	85	DD	A0	69	73	DA	9A	56	85	CD	24
	15	D4	2E	CF	E7	E1	73	99	05	7A	CB	41
	61	37	68	DA	9C	B6	86	CF	66	33	E8	24
	82	DA	E5	F9	3C	7C	2E	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
	CB	64	10	5D	1E	76	CF	E1				

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.4

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 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 7.4

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 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

PROACTIVE COMMAND: SEND SHORT MESSAGE 7.1.5

Logically:

Command details

Command number: 1

Command type: SEND SHORT MESSAGE

Command qualifier: 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 TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "00"

TP-DA

TON International number

NPI "ISDN / telephone numbering plan"

Address value "012345678"

TP-PID Short message type 0

TP-DCS

Message coding 8-bit data
Message class class 0
TP-UDL 12

TP-UD "Test Message"

BER-TLV:	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 7.5

Logically:

SMS TPDU

TP-MTI SMS-SUBMIT

TP-RD Instruct the SC to accept an SMS-SUBMIT for a SM

TP-VPF TP-VP field not present

TP-RP TP-Reply-Path is not set in this SMS-SUBMIT
TP-UDHI The TP-UD field contains only the short message

TP-SRR A status report is not requested

TP-MR "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

27.22.4.10.7.5 Test requirement

The ME supporting eFDD or eTDD shall operate in the manner defined in expected sequence 7.1.

The ME supporting UTRAN shall operate in the manner defined in expected sequence 7.2.

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	$ME \to UICC$	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	$ME \rightarrow USS$	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#"

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

ForwardedToNumber

- nature of address ind.: international

numbering plan ind.: ISDN/Telephony (E.164)TBCD String: 01234567890123456789

- longFTN-Supported

Coding:

BER-TLV	30	15	04	01	21	83	01	00	84	0B	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

Forwarded To Number

- 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

Forwarding Info

SS-Code

- Call Forwarding Unconditional

Forward Feature List

Forwarding Feature

TeleserviceCode

- All Tele Services

SS-Status

- state ind.: operative

provision ind.: provisionedregistration 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	80	30	06	83	01
	00	84	01	07								

TERMINAL RESPONSE: SEND SS 1.1.1A

Logically:

Command details

Command number:

Command type: SEND SS Command qualifier: "00"

Device identities

Source device: ME **UICC**

Destination device:

General Result: Command performed successfully

Additional information: Operation Code and SS Parameters

Coding:

Result

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:

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	11
	00	0A	A0	0D	04	01	21	30	80	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
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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

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	$ME \rightarrow USS$	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
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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	$ME \rightarrow USS$	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	$ME \to USER$	Display "Call Forward"	
5	$ME \to USS$	REGISTER 1.2B	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 1.2B	[Successful]
7	$ME \to UICC$	TERMINAL RESPONSE: SEND SS 1.4.1B	

PROACTIVE COMMAND: SEND SS 1.4.1

Logically:

Command details

Command number:

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: 0123456789012345678901234567

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.: registered

- activation ind.: active

long Forwarded To Number

- 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.: operativeprovision ind.: provisionedregistration ind.: registered

- activation ind.: active

Coding:

Coding	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"

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	80	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	$ME \to USER$	Display "Even if the Fixed Dialling Number service is	
		enabled, the supplementary service control string	
		included in the SEND SS proactive command shall not	
		be checked against those of the FDN list. Upon	
		receiving this command, the ME shall deci"	
5	$ME \to USS$	REGISTER 1.3	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 1.3	[Successful]
7	$ME \to UICC$	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#"

Coding:

BER-TLV:	D0	81	FD	81	03	01	11	00	82	02	81	83
	85	81	EB	45	76	65	6	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.: registered

- activation 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

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	l
1	$UICC \to$	PROACTIVE COMMAND PENDING: SEND SS 1.6.1		l
	ME			
2	ME o	FETCH		l
	UICC			l
3	$UICC \to$	PROACTIVE COMMAND: SEND SS 1.6.1		
	ME			l
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			l

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	Α9	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 to the USS. 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	, 0.00	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:

 $\begin{array}{ll} \mbox{Icon qualifier:} & \mbox{icon is self-explanatory} \\ \mbox{Icon Identifier:} & \mbox{record 1 in EF}_{(IMG)} \\ \end{array}$

Coding:

BER-TLV:	D0	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	80	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	$ME \rightarrow UICC$	_	
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	$ME \rightarrow USS$	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
7	ME	RETURN RESULT) 1.1B	[Common disposition of a common disposition of the common disposition
7	ME → 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

BER-TLV:

81	03	01	11	00	82	02	82	81	03	11
04	0A	A0	0D	04	01	21	30	80	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	$ME \rightarrow USS$	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 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:

 $\begin{array}{ll} \text{Icon qualifier:} & \text{icon is self-explanatory} \\ \text{Icon Identifier:} & \text{record 2 in } EF_{\text{(IMG)}} \\ \end{array}$

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	Α9	01	FB	9F	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	/ 0.00	FETCH	
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	$ME \rightarrow USS$	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 2.3A (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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$		[BASIC-ICON, non self-explanatory]
4	MF → USFR	SS 2.3.1 Display "Basic Icon" and the basic	
	, 001.1	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	/ 0.00	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	10 (1)
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
_	ME 11100	RETURN RESULT) 1.1B	[O
7	ME → 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:

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:

Command type: SEND SS

Command qualifier:

"00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)

Text: "ЗДРАВСТВУЙТЕ"

SS String

TON: International

NPI: "ISDN / telephone numbering plan" SS string: "**21*01234567890123456789*10#"

Coding:

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 LUCC	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	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: 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	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with left alignment]
5	$ME \rightarrow USS$	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	$ME \rightarrow UICC$		
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.1.2	
11	ME → USER	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	$ME \rightarrow USS$	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.

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	$ME \rightarrow USS$	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	PENDING: SEND SS 4.2.2	
_	ME → UICC		
10	$DICC \to ME$	PROACTIVE COMMAND: SEND ISS 4.2.2	
11	ME LIGED		[Manager shall be formatted with center
111	$ME \rightarrow USER$	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 → USS	REGISTER 4.1A	7.27 12, 110 diligimioni oridinge will take place
13	USS → ME	RELEASE COMPLETE (SS	[Successful]
	COO / IVIL	RETURN RESULT) 4.1A	[
14	ME → UICC	TERMINAL RESPONSE: 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	WIL / 0100	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	$ME \rightarrow UICC$		
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#"

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	

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	/ 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.3.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with right 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 PENDING: SEND SS 4.3.2	
9	$ME \rightarrow UICC$		
10		PROACTIVE COMMAND: SEND	
10	UICC → IVIE	ISS 4.3.2	
11	ME - LISER	Display "Text Attribute 2"	Message shall be formatted with right
''	IVIL -> OOLIK	Display Text Attribute 2	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	$ME \rightarrow USS$	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	

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	
_		PENDING: SEND SS 4.3.1	
2		FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 4.3.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with right alignment]
5	$ME \rightarrow USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
7	ME 11100	RETURN RESULT) 4.1B	
/	ME → UICC	TERMINAL RESPONSE: SEND SS 4.1.1B	
8	UICC → ME	PROACTIVE COMMAND	
0	OICC → IVIE	PENDING: SEND SS 4.3.2	
9	$ME \rightarrow UICC$		
10		PROACTIVE COMMAND: SEND	
10	OIOO IVIL	SS 4.3.2	
11	$ME \rightarrow USER$		[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	$ME \rightarrow USS$	REGISTER 4.1B	[A.2/12, 110 alignment change will take place]
13		RELEASE COMPLETE (SS	[Successful]
13	$USS \to ME$	RETURN RESULT) 4.1B	[Successiui]
14	ME LUCC	TERMINAL RESPONSE: SEND	
14	INIE → DICC	ISS 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" 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	

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.

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	$ME \rightarrow USS$	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	
17	$ ME \to OICC $ $ UICC \to ME $	PROACTIVE COMMAND: SEND	
17		ISS 4.4.1	
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 → UICC	FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND	
	3.00 /	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 4.1A	
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	$ME \rightarrow UICC$	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	$ME \to USS$	REGISTER 4.1B	_
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
7	$ME \rightarrow UICC$	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND	
8	LUCC ME	SS 4.1.1B PROACTIVE COMMAND	
0	$UICC \to ME$	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	$ME \rightarrow USS$	REGISTER 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
14	ME → UICC	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND	
15	$UICC \to ME$	SS 4.1.1B 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 size]
19	$ME \rightarrow USS$	REGISTER 4.1B	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.4.3	
23	ME → UICC	FETCH	
24	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
		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]
28	$ME \rightarrow UICC$	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND SS 4.1.1B	
	ı	100	1

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.

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	$ME \rightarrow USS$	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 4.5.2	
9	ME → UICC	FETCH	
10	UICC → 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 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 4.5.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND 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	[Successful]
28	$ME \rightarrow UICC$	RETURN RESULT) 4.1A 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)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.5.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.5.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with small font size]
5	$ME \rightarrow USS$	REGISTER 4.1B	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND ISS 4.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.5.2	
9	ME → 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 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
14	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND SS 4.1.1B	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.5.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND 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 4.1B	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.5.3	
23	ME → UICC	FETCH	
24	$UICC \to ME$	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 4.1B	_
27	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
28	$ME \rightarrow UICC$	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.

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	
		SS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND	
9	ME THEC	PENDING: SEND SS 4.6.2 FETCH	
10	$ ME \rightarrow UICC $ $ UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
10		ISS 4.6.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with bold off]
12	$ME \rightarrow USS$	REGISTER 4.1A	
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	
		PENDING: SEND SS 4.6.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
40		SS 4.6.1	[Manager and all has former than design had a mail
18	ME → USER	Display "Text Attribute 1"	[Message shall be formatted with bold on]
19	ME → USS	REGISTER 4.1A	[0
20	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
21	ME LUCC	RETURN RESULT) 4.1A TERMINAL RESPONSE: SEND	
21	$ME \rightarrow UICC$	ISS 4.1.1A	
22	UICC → ME	PROACTIVE COMMAND	
	OICC → IVIL	PENDING: SEND SS 4.6.3	
23	$ME \rightarrow UICC$	FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND	
]	3.33 / WL	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 RESPÓNSE: 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	
	ME 11100	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 → USS	REGISTER 4.1B	[Meddago dhan bo formanda mar bola dh]
13	USS → ME	RELEASE COMPLETE (SS	[Successful]
10	OCC / IVIL	RETURN RESULT) 4.1B	[Cuccocciui]
14	ME → UICC	TERMINAL RESPONSE: SEND	
	, 0.00	SS 4.1.1B	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.6.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	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]
		RETURN RESULT) 4.1B	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND	
22	ME LUCC	PENDING: SEND SS 4.6.3	
23	ME → UICC	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND ISS 4.6.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with bold off]
26	ME → USS	REGISTER 4.1B	[INCOSCAGE SHAIL DE TOTTIALLEU WILLI DOIL OIL]
27	$USS \rightarrow ME$	RELEASE COMPLETE (SS	[Successful]
21	USS → IVIE	RETURN RESULT) 4.1B	
28	ME → UICC	TERMINAL RESPONSE: SEND	
	IVIL -> 0100	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	21	83	85
DER-ILV.	טט	SS	01	03	UI	11	UU	02	02	01	03	ဝ၁
	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	Α9	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.

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	$UICC \to ME$	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 4.1A	
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	
0	ME	PENDING: SEND SS 4.7.2	
9	ME → UICC	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.7.2	
11	ME → USER	Display "Text Attribute 2"	[Message shall be formatted with italic off]
12	ME → USS	REGISTER 4.1A	
13	USS → ME	RELEASE COMPLETE (SS	[Successful]
	72	RETURN RESULT) 4.1A	[0.0000000]
14	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND	
		SS 4.1.1A	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND SS 4.7.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
		SS 4.7.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with italic on]
19	$ME \rightarrow USS$	REGISTER 4.1A	
20	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
0.4		RETURN RESULT) 4.1A	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
22	LUCO ME	SS 4.1.1A PROACTIVE COMMAND	
22	$UICC \to ME$	PENDING: SEND SS 4.7.3	
23	ME → UICC	FETCH	
23	$ ME \to OICC $ $ UICC \to ME $	PROACTIVE COMMAND: SEND	
24	UICC → IVIE	SS 4.7.3	
25	ME → USER	Display "Text Attribute 3"	[Message shall be formatted with italic off]
26	ME → USS	REGISTER 4.1A	[sssags shall be formatted that italie on]
27	USS → ME	RELEASE COMPLETE (SS	[Successful]
	JOO - IVIL	RETURN RESULT) 4.1A	[
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
	3.33	SS 4.1.1A	

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 → USER	Display "Text Attribute 2"	[Message shall be formatted with italic 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 4.7.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
		SS 4.7.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with italic on]
19	$ME \rightarrow USS$	REGISTER 4.1B	
20	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
0.4		RETURN RESULT) 4.1B	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
22	LUCC ME	SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.7.3	
23	ME → UICC	FETCH	
24	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
		ISS 4.7.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with italic off]
26	ME → USS	REGISTER 4.1B	
27	USS → ME	RELEASE COMPLETE (SS	[Successful]
	J COO / IVIL	RETURN RESULT) 4.1B	[2444444]
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		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	21	83	85
DER-ILV.	טט	SS	01	03	UI	11	UU	02	02	01	03	ဝ၁
	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	Α9	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.

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 4.4A	on]
5	ME → USS	REGISTER 4.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
7	ME LUCC	RETURN RESULT) 4.1A	
′	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND ISS 4.1.1A	
8	UICC → ME	PROACTIVE COMMAND	
	OICC IVIL	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
			off]
12	$ME \rightarrow USS$	REGISTER 4.1A	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
14	ME	RETURN RESULT) 4.1A	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND ISS 4.1.1A	
15	$UICC \to ME$	PROACTIVE COMMAND	
	OICC - WIL	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
4.0		DE01075D 4.44	on]
19	ME → USS	REGISTER 4.1A	10 (1)
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
21	ME → UICC	TERMINAL RESPONSE: SEND	
21	INIE → DICC	ISS 4.1.1A	
22	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 /2	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	DECISTED 4.1A	off]
26 27	ME → USS	REGISTER 4.1A	[Successful]
21	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1A	[Successful]
28	ME → UICC	TERMINAL RESPONSE: SEND	
	/ 0.00	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 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 4.8.2	
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 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
14	$ME \rightarrow UICC$	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND 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 SS 4.8.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with underline on]
19	$ME \rightarrow USS$	REGISTER 4.1B	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.8.3	
23	$ME \rightarrow UICC$	FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND 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]
28	ME → UICC	RETURN RESULT) 4.1B TERMINAL RESPONSE: SEND SS 4.1.1B	
	l	1	<u> </u>

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.

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	
		SS 4.9.1	
4	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with
			strikethrough on]
5	$ME \rightarrow USS$	REGISTER 4.1A	
6	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
_		RETURN RESULT) 4.1A	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
0	LUCO ME	SS 4.1.1A	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.9.2	
9	$ME \rightarrow UICC$	FETCH	
10	UICC → 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	[Successful]
		RETURN RESULT) 4.1A	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
15	LUCO ME	SS 4.1.1A	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND SS 4.9.1	
16	$ME \rightarrow UICC$	FETCH	
17	UICC → ME	PROACTIVE COMMAND: SEND	
	OIOO / IVIL	SS 4.9.1	
18	$ME \rightarrow USER$	Display "Text Attribute 1"	[Message shall be formatted with
			strikethrough on]
19	$ME \to USS$	REGISTER 4.1A	
20	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1A	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
22	LUCC ME	SS 4.1.1A PROACTIVE COMMAND	
22	$UICC \to ME$	PENDING: SEND SS 4.9.3	
23	$ME \rightarrow UICC$	FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND	
	5.00 / ML	SS 4.9.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Message shall be formatted with
1			strikethrough off]
26	$ME \to USS$	REGISTER 4.1A	
27	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
	NAE :	RETURN RESULT) 4.1A	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
1	I	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	$ME \rightarrow UICC$	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	LUCC ME	SS 4.1.1B PROACTIVE COMMAND	
0	$UICC \to ME$	PENDING: SEND SS 4.9.2	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
	0.00 /	SS 4.9.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with strikethrough off]
12	$ME \to USS$	REGISTER 4.1B	
13	$USS \to ME$	RELEASE COMPLETE (SS	[Successful]
		RETURN RESULT) 4.1B	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
15	$UICC \to ME$	SS 4.1.1B PROACTIVE COMMAND	
13		PENDING: SEND SS 4.9.1	
16	$ME \rightarrow UICC$	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 4.1B	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1B	[Successful]
21	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND SS 4.1.1B	
22	$UICC \to ME$	PROACTIVE COMMAND	
	_	PENDING: SEND SS 4.9.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	
6-		SS 4.9.3	
25	ME → 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]
00	ME	RETURN RESULT) 4.1B	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		SS 4.1.1B	

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:

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	

27.22.4.11.4.9.5 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.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND SS 4.10.1	
4	ME → USER	Display "Text Attribute 1"	[Message shall be formatted with foreground and background colour according to text attribute configuration]
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 4.10.2	
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	$ME \to USS$	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	

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		RELEASE COMPLETE (SS	[Successful]
0	$USS \to ME$	RETURN RESULT) 4.1B	[Successiui]
7	ME → UICC	TERMINAL RESPONSE: SEND	
'	IVIL -> 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	$ME \rightarrow USS$	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#"

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	

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 RESPONSE: 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	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 5.1.1	
4	$ME \rightarrow USER$	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	$ME \rightarrow UICC$	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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 6.1.1	
4	$ME \rightarrow USER$	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	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND	[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	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		SS 6.1.1	
4	$ME \rightarrow USER$	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	$ME \rightarrow UICC$	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.

- 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	$ME \rightarrow USS$	REGISTER 1.1	
6	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 1.1	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: 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	CB	E6	33	3A	AD	5E	B3
	DB	EE	37	3C	2E	9F	D3	EB	F6	3B	3E	AF
	6F	C5	64	33	5A	CD	76	C3	E5	60		

REGISTER 1.1

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	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) 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	CB	69	7B	99	0C
	32	CB	DF	6D	D0	74	0A				

Expected Sequence 1.2 (SEND USSD, 8-bit data, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	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):

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- Uncompressed, no message class meaning, 8-bit data

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

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	

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"

Coding:

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	

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)

Coding:

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:

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"

Coding:

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	$ME \to USS$	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
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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"

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))

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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 REJECT) 1.1	Reject
7	$ME \rightarrow UICC$	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:

Codina	81	01	02

TERMINAL RESPONSE: SEND <u>U</u>SSD 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		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 SIM 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	$ME \rightarrow UICC$	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 SIM that the command has"

USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

Coding:

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	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 1.7 (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	CB	E6	33	3A	AD	5E	B3
	DB	EE	37	3C	2E	9F	D3	EB	F6	3B	3E	AF
	6F	C5	64	33	5A	CD	76	C3	E5	60		

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	$ME \to UICC$	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: ""

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USSD String

Data coding scheme: 7-bit default, no message class

USSD string: "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-

1234567890"

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	CB	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 to the USS. 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	$ME \rightarrow USS$	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	B3
	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"

Coding:

BER-TLV	30	3D	04	01	F0	04	38	41	E1	90	58	34
	1E	91	49	E5	92	D9	74	3E	A1	51	E9	94
	5A	B5	5E	B1	59	6D	2B	2C	1E	93	CB	E6
	33	3A	AD	5E	B3	DB	EE	37	3C	2E	9F	D3
	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD	76
	C3	E5	60									

RELEASE COMPLETE (SS RETURN RESULT) 2.1

Logically (only from USSD result):

ProcessUnstructuredSS-Request RETURN RESULT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "USSD string received from SS"

Coding:

BER-TLV	30	1E	04	01	F0	04	19	D5	E9	94	80	9A
	D3	E5	69	F7	19	24	2F	8F	CB	69	7B	99
	0C	32	CB	DF	6D	D0	74	0A				

TERMINAL RESPONSE: SEND USSD 2.1.1A

Logically:

Command details

Command number: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: ME
Destination device: 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	80	9A	D3	E5
	69	F7	19	24	2F	8F	CB	69	7B	99	0C
	32	CB	DF	6D	D0	74	0A				

Expected Sequence 2.1B (SEND USSD, 7-bit data, successful, basic icon self explanatory, requested icon could not be displayed)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	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	80	9A	D3	E5
	69	F7	19	24	2F	8F	CB	69	7B	99	0C
	32	CB	DF	6D	D0	74	0A				

Expected Sequence 2.2 (SEND USSD, 7-bit data, successful, colour icon self explanatory)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	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	$ME \to USS$	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: 1

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	CB	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	
_			
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
\ <u>-</u>	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	Ω1										

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 $EF_{(IMG)}$

Coding:

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	CB	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
												İ

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.
- 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	CB	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	CB	E6
	33	3A	AD	5E	B3	DB	EE	37	3C	2E	9F	D3
	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD	76
	C3	E5	60									

RELEASE COMPLETE (SS RETURN RESULT) 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	08	9A
	D3	E5	69	F7	19	24	2F	8F	CB	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"

Coding:

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	CB	69	7B	99	0C
	32	CB	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	$ME \rightarrow UICC$	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	$ME \rightarrow USS$	REGISTER 4.1	
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
7	ME VIICC	TERMINAL RESPONSE: SEND	
'	INIE → OICC	USSD 4.1.1	
8	LIICC → ME	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: SEND USSD 4.1.2	
9	$ME \rightarrow UICC$		
10		PROACTIVE COMMAND: SEND	
		USSD 4.1.2	
11	$ME \rightarrow USER$	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	$ME \rightarrow USS$	REGISTER 4.1	in the proof
13	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
14	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: 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

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	CB
	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:

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	CB
	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)

ProcessUnstructuredSS-Request ARGUMENT

USSD-DataCodingScheme:

- 7-bit default, no message class

USSD string:

- "ABCDEFGHIJKLMNOPQRSTUVWXYZ-abcdefghijklmnopqrstuvwxyz-1234567890"

Coding:

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	CB	E6
	33	3A	AD	5E	B3	DB	EE	37	3C	2E	9F	D3
	EB	F6	3B	3E	AF	6F	C5	64	33	5A	CD	76
	C3	E5	60									

RELEASE COMPLETE (SS RETURN RESULT) 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	08	9A
	D3	E5	69	F7	19	24	2F	8F	CB	69	7B	99
	0C	32	СВ	DF	6D	D0	74	0A				

TERMINAL RESPONSE: SEND USSD 4.1.1

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	80	9A	D3	E5
	69	F7	19	24	2F	8F	CB	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	$UICC \to ME$	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		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	$ME \rightarrow UICC$		
-	, 5.55	USSD 4.2.1	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.2.2	
9	$ME \rightarrow UICC$		
10	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.2.2	
11	$ME \rightarrow USER$		[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 → USS	REGISTER 4.1	7 1.27 10, 110 diligrimoni oridinge will take place
13	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	,
14	$ME \rightarrow UICC$		
		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	CB
	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:

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	CB
	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	80	9A	D3	E5
	69	F7	19	24	2F	8F	CB	69	7B	99	0C
	32	CB	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	$ME \rightarrow UICC$	FETCH	
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	$ME \to USS$	REGISTER 4.1	
6		RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.3.1	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.3.2	
9	$ME \rightarrow UICC$	FETCH	
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 RETURN RESULT) 4.1	["USSD string received from SS"]
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

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	CB
	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"

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	CB
	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"

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	CB	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	$ME \rightarrow UICC$	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 RESPÓNSE: SEND	
15	$UICC \to ME$	USSD 4.4.1 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 .	0000	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	CB
	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

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	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	CB
	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	F5	60	D0	04	00	10	00	B4		

PROACTIVE COMMAND: SEND USSD 4.4.3

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 4.4.1

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"

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	CB	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	$ME \rightarrow UICC$	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	_
6	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
7	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND USSD 4.5.1	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.5.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	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 RETURN RESULT) 4.1	["USSD string received from SS"]
14	$ME \rightarrow UICC$	TERMINAL RESPÓNSE: SEND	
15	$UICC \to ME$	USSD 4.5.1 PROACTIVE COMMAND PENDING: SEND USSD 4.5.1	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND 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	
20	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.5.1	
22	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND USSD 4.5.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.5.3	
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 4.5.1	
	l	10000 1.0.1	

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	08	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

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	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	CB
	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	F5	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	CB
	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: 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	80	9A	D3	E5
	69	F7	19	24	2F	8F	CB	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	$UICC \to ME$	USSD 4.6.1 PROACTIVE COMMAND	
0	OICC - IVIE	PENDING: SEND USSD 4.6.2	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
'	OIGG / WIL	USSD 4.6.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Alpha identifier is displayed with bold off]
12	$ME \rightarrow USS$	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	
40	11100	PENDING: SEND USSD 4.6.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
18	ME → USER	USSD 4.6.1 Display "Text Attribute 1"	[Alpha identifier is displayed with bold on]
19	ME → USS	REGISTER 4.1	[Alpha identifier is displayed with bold on]
20	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
20	000 → IVIL	RETURN RESULT) 4.1	[COOD String received from CO]
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		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	
0.5		USSD 4.6.3	
25	ME → USER	Display "Text Attribute 3"	[Alpha identifier is displayed with bold off]
26	ME → USS	REGISTER 4.1	[III.100D 1: 1.1 00III
27	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
20	ME LUCC	RETURN RESULT) 4.1	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.6.1	
		1000D 4.0.1	

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

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	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	CB
	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	F5	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	CB
	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: 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	80	9A	D3	E5
	69	F7	19	24	2F	8F	CB	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	
8	LUCC ME	USSD 4.7.1 PROACTIVE COMMAND	
0	$UICC \to ME$	PENDING: SEND USSD 4.7.2	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
	OICC - WIL	USSD 4.7.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Alpha identifier is displayed with italic off]
12	ME → 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 4.7.1	
15	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.7.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND	
10	ME LICED	USSD 4.7.1 Display "Text Attribute 1"	[Alpha identifier is displayed with italic on]
18 19	ME → USER	REGISTER 4.1	[Alpha identifier is displayed with Italic on]
20	$\begin{array}{c} ME \to USS \\ USS \to ME \end{array}$	RELEASE COMPLETE (SS	["USSD string received from SS"]
20	USS → IVIE	RETURN RESULT) 4.1	[033D string received from 33]
21	ME → UICC	TERMINAL RESPONSE: SEND	
	IVIL -> 0100	USSD 4.7.1	
22	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 /	PENDING: SEND USSD 4.7.3	
23	$ME \rightarrow UICC$	FETCH	
24	$UICC \to ME$	PROACTIVE COMMAND: SEND	
1		USSD 4.7.3	
25	$ME \rightarrow USER$	Display "Text Attribute 3"	[Alpha identifier is displayed with italic off]
26	$ME \rightarrow USS$	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	CB
	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

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	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	CB
	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	CB
	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"

Coding:

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	CB	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	$ME \rightarrow UICC$	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 RESPONSE: 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	$ME \rightarrow USS$	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	$ME \rightarrow USS$	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	CB
	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

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	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	CB
	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: 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	CB
	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"

Coding:

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				_

27.22.4.12.4.8.5 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 → 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	
8	LUCC ME	USSD 4.9.1 PROACTIVE COMMAND	
0	UICC → ME	PENDING: SEND USSD 4.9.2	
9	$ME \rightarrow UICC$	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	
		USSD 4.9.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Alpha identifier is displayed with strikethrough
12	ME → USS	REGISTER 4.1	off]
13	USS → ME	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
		USSD 4.9.1	
15	$UICC \to ME$	PROACTIVE COMMAND	
40		PENDING: SEND USSD 4.9.1	
16	ME → UICC	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND: SEND USSD 4.9.1	
18	ME → USER	Display "Text Attribute 1"	[Alpha identifier is displayed with strikethrough
.	ML 700LK	Display Toxe / Millioute T	on]
19	$ME \to USS$	REGISTER 4.1	,
20	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
21	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	
22	LUCO ME	USSD 4.9.1 PROACTIVE COMMAND	
22	$UICC \to ME$	PENDING: SEND USSD 4.9.3	
23	ME → UICC	FETCH	
24	UICC → ME	PROACTIVE COMMAND: SEND	
	J.OO / IVIL	USSD 4.9.3	
25	$ME \rightarrow USER$		[Alpha identifier is displayed with strikethrough
1			off]
26	$ME \rightarrow USS$	REGISTER 4.1	
27	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
20	ME LUCC	RETURN RESULT) 4.1	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND USSD 4.9.1	
		ויפיד סססס	

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	CB
	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:

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

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	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	CB
	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	F5	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	CB
	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:

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	80	9A	D3	E5
	69	F7	19	24	2F	8F	СВ	69	7B	99	0C
	32	СВ	DF	6D	D0	74	0A				

27.22.4.12.4.9.5 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	$ME \rightarrow UICC$	FETCH	
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
5	ME → USS	REGISTER 4.1	attribute configuration]
6	WIL 7 000		["LICCD string resolved from CC"]
0	$USS \to ME$	RELEASE COMPLETE (SS RETURN RESULT) 4.1	["USSD string received from SS"]
7	ME -> LIICC	TERMINAL RESPONSE: SEND	
,	IVIL 70100	USSD 4.10.1	
8	UICC → ME	PROACTIVE COMMAND	
		PENDING: SEND USSD 4.10.2	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		USSD 4.10.2	
11	$ME \rightarrow USER$	Display "Text Attribute 2"	[Message shall be formatted with ME"s
			default foreground and background colour]
12	IVIL	REGISTER 4.1	
13	$USS \to ME$	RELEASE COMPLETE (SS	["USSD string received from SS"]
		RETURN RESULT) 4.1	
14	$ME \rightarrow UICC$		
		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

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	CB
	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: 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	CB
	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	80	9A	D3	E5
	69	F7	19	24	2F	8F	CB	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.
- 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)

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: 1

Command type: SEND USSD

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network

Alpha Identifier

Data coding scheme: UCS2 (16bit)
Text: "你好"

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
	CB	E6	33	3A	AD	5E	B3	DB	EE	37	3C	2E
	9F	D3	EB	F6	3B	3E	AF	6F	C5	64	33	5A
	CD	76	C3	E5	60							

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	CB	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) 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	08	9A
	D3	E5	69	F7	19	24	2F	8F	CB	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"

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	CB	69	7B	99	0C
	32	CB	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.
- 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: 1

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	CB	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	CB	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) 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:

Coding	30	1E	04	01	00	04	19	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				

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	CB	69	7B	99	0C
	32	CB	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, with the following exceptions for sequence 1.1 only:

- The Outgoing Call Information (OCI and OCT) service is available in the USIM Service Table.
- ${\rm EF}_{\rm OCI}$ (Outgoing Call Information) is present with the following content:

Logically: Invalid

Byte: B01 B41 **B42 B43 B44** B45 **B46 B47** ... Coding: FF FF 00 00 00 01 FF

- EF_{OCT} (Outgoing Call Timer) is present with the following content:

Logically: Accumulated call timer value: 0

Byte: B01 B02 B03 Coding: 00 00 00

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL	
		1.1.1	
4	$ME \rightarrow USER$	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	$USS \to ME$	9	[The USS also has to handle the
		from the USS.	START DTMF and STOP DTMF
			messages sent by the ME in an
		TERMINAL RESPONSE 4.4.4	appropriate way]
8	W.E / 0.00	TERMINAL RESPONSE 1.1.1	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 10 s.	
		The ME returns to idle mode.	
10	ME → UICC	The ME shall not have updated EF OCI or	
		EF OCT with the call set-up details.	

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	l
----------	----	----	----	----	----	----	----	----	----	----	----	----	---

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
		00			02	02	02	02		00		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	[disconnecting all other calls]
		1.5.1	
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	$ME { ightarrow} USS$	The ME attempts to set up a call to	
		"+012340123456"	
8	$USS \to ME$	The ME receives the CONNECT message	[The USS also has to handle the
		from the USS.	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

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:

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[putting all other calls on hold]
		CALL 1.4.1	
4	$ME \rightarrow USER$	ME displays "On hold" during the	
		user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirms the call]
6	$ME \to USS$	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	$ME \rightarrow UICC$	TERMINAL RESPONSE 1.7.1A	[Network currently unable to process command]
		OR	
		TERMINAL RESPONSE 1.7.1B	[Option A shall apply only from R99 to Rel-6,
			whereas option B is applicable in all releases]

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

Coding:

BER-TLV:	81	03	01	10	02	82	02	82	81	83	02	21
	9D											

Expected Sequence 1.8 (SET UP CALL, Capability configuration)

AND CALL 1.8.1
CALL 1.8.1
AND: SET UP Capability configuration parameters: full rate
support]
ility config"
rmation phase
e set up call [user confirmation]
set up a call to
sing the
on parameters
CONNECT [The USS also has to handle the START
SS. DTMF and STOP DTMF messages sent by
the ME in an appropriate way]
[Command performed successfully]
all after 10 s
le mode.
i i i

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:

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND SET UP	[dialling number string, no alpha identifier]
		CALL 1.9.1	
4	$USER \to ME$	The user confirms the set up call	[user confirmation]
5	$ME { ightarrow} USS$	The ME attempts to set up a call to	
		"+01234567890123456789012345	
		678901"	
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:	21	Λ3	01	10	01	82	02	82	81	83	01	00
DEN-ILV.	01	03	UI	10	UI	02	02	02	01	03	UI	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	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME { ightarrow} USS$	The ME attempts to set up a call to "+01"	
7	$USS \to ME$	The ME receives the CONNECT message from	
		the USS.	
8	$ME \to UICC$	TERMINAL RESPONSE 1.10.1	[Command performed successfully]
9	$USER \to ME$	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"

Coding:

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
	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: 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	ივ	01	10	01	82	02	82	81	83	01	00
DEN-ILV.	01	03	01	10	UI	02	02	02	01	03	01	1 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	$ME \rightarrow USER$	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 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 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

Coding:

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:

SET UP CALL Command type:

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

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TERMINAL RESPONSE: SET UP CALL 1.11.1B

Logically:

Command details

Command number:

SET UP CALL Command type:

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	$ME \rightarrow UICC$	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:

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:

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	$ME \rightarrow UICC$	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	$ME \rightarrow USS$	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	$ME \rightarrow UICC$	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:

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.

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 → ME	PROACTIVE COMMAND: SET UP CALL 3.1.1	Including icon identifier, icon shall be displayed in addition of the first alpha identifier
4	ME → USER	ME displays "Set up call Icon 3.1.1" and the basic icon during a user confirmation phase.	
5	$USER \to ME$	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	$ME \rightarrow UICC$	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:

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:

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

Coding:

BER-TI V	21	Λ3	Ω1	10	00	82	02	82	21	83	01	04
IDLIX-ILV.	1 01	l UJ				02	1 02	1 02				

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

435

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
		message from the USS.	DTMF and STOP DTMF messages sent by
			the ME in an appropriate way]
8	$ME \to UICC$	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: 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 3.2B (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	$ME \to UICC$	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 display "Set up call Icon 3.2.1"	
		without the icon	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME \rightarrow USS$	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
		message from the USS.	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: 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

Coding:

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	$ME \rightarrow UICC$	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	$USER \to ME$	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	[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	, 0.00	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
		00			00	02	02	02		00		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	$UICC \to ME$		Including icon identifier, icon shall be
		CALL 3.3.1	displayed in addition of the first alpha identifier
4	$ME \rightarrow USER$	ME only display alpha string: " Set up call Icon 3.3.1"	
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 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 3.3.1B	[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 3.3.1B

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

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

Coding:

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

Expected Sequence 3.4A (SET UP CALL, display of self explanatory basic icon during set up call, successful)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP CALL 3.4.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	Including a second alpha identifier and two
		CALL 3.4.1	icons
4	$ME \rightarrow USER$	ME displays the basic icon during	
		a user confirmation phase.	
5	$USER \to ME$	The user confirms the set up call	[user confirmation]
6	$ME { ightarrow} USS$	The ME attempts to set up a call to	
		"+012340123456". The ME	
		displays the basic icon without the	
_		text during the set up call.	TI 1100 1 1 1 1 0TABT
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
0		TERMINAL RECOGNICE O 4.44	the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 3.4.1A	[Command performed successfully]
9	$USER \to ME$	The user ends the call after 10 s.	
Э	USEK → IVIE	The ME returns in idle mode.	
		THE ME TELUITIS III IUIE IIIUUE.	

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
	2E	32	9E	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

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
		TERMINAL RESPONSES 44B	the ME in an appropriate way]
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 3.4.1B	[Command performed successfully, but
	HOED ME	The week and the call ofter 40 -	requested icon could not be displayed].
9	USEK → ME	The user ends the call after 10 s.	
		The ME returns in idle mode.	

TERMINAL RESPONSE: SET UP CALL 3.4.1B

Logically:

Command details

Command number: 1

Command type: SET UP CALL

Command qualifier: only if not currently busy on another call

Device identities

Source device: ME
Destination device: UICC

Result

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

Coding:

BER-TLV: 81 03 01 10 00 82 02 82 81 83 01 0

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 → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
4	ME → 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 left
			alignment]
6	$ME \rightarrow USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456". The ME displays "CALL 1"	left alignment]
7	$USS \to ME$	The ME displays CALL I	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 4.1.1	[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.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
	OICC - IVIL	SET UP CALL 4.1.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 4.1.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2"	
14	USER → ME	during the user confirmation phase The user confirms the set up call	[User confirmation shall be formatted
14	USEN → 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	$ME \rightarrow USS$	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
			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
47	ME INCO	TERMINAL RECOONER 4.4.4	by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.1.1 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 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:

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

27.22.4.13.4.1.5 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 → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
4	$ME \to USER$	CALL 4.2.1 ME displays "CONFIRMATION 1"	
4	IVIE → USER	during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with
	002.1		center alignment]
6	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+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
8	$ME \to UICC$	TERMINAL RESPONSE 4.2.1	by the ME in an appropriate way] [Command performed successfully]
	IVIL -> OICC	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.	
		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 4.2.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
13	ME o USER	CALL 4.2.2 ME displays "CONFIRMATION 2"	
13	WE → USEK	during the user confirmation phase	
14	$USER \to ME$	The user confirms the set up call	[User confirmation shall be formatted
	002.1		without center alignment. Remark: If
			center alignment is the ME"s default
			alignment as declared in table A.2/14, no
			alignment change will take place]
15	ME o USS	The ME attempts to set up a call to	[Second alpha identifier shall be
		"+012340123456".	formatted without centert alignment.
		The ME displays "CALL 2"	Remark: If center alignment is the ME"s 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	$ME \to UICC$	TERMINAL RESPONSE 4.2.1	[Command performed successfully]
		The ME shall not update EF LND with	
10	LICED ME	the called party address. The user ends the call after 10 s.	
18	$USER \to ME$	The ME returns in idle mode.	
		THE IVIL TELUTION IT TUIL THOUE.	

PROACTIVE COMMAND: 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: 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: 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

27.22.4.13.4.2.5 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"	
	WIL -> OOLIK	during the user confirmation phase	
5	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with right
			alignment]
6	$ME \rightarrow USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456". The ME displays "CALL 1"	right alignment]
7	$USS \to ME$	The ME displays CALL I	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	
	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:	
	OIOO / IVIL	SET UP CALL 4.3.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
4.0		CALL 4.3.2	
13	$ME \rightarrow USER$	ME displays "CONFIRMATION 2"	
14	USER → ME	during the user confirmation phase The user confirms the set up call	[User confirmation shall be formatted
'-	OSEIX -> IVIE	The user committis the set up can	without right alignment. Remark: If right
			alignment is the ME"s default alignment
			as declared in table A.2/14, no alignment
			change will take place]
15	ME o USS	The ME attempts to set up a call to	[Second alpha identifier shall be
		"+012340123456". The ME displays "CALL 2"	formatted without right alignment. Remark: If right alignment is the ME"s
		The ME displays CALL 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
17	ME	TEDMINAL DESDONSE 4.2.4	by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.3.1 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.	
	· —	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

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: 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

27.22.4.13.4.3.5 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)

1	Ste	эp	Direction	MESSAGE / Action	Comments
2 ME → UICC → ME PROACTIVE COMMAND: SET UP CALL 4.4.1 ME → USER → ME The ME attempts to set up a call to '+012340123456''. The ME displays "CONFIRMATION 1' during the user confirms the set up call to '+01240123456''. The ME displays "CALL 1" The ME receives the CONNECT message from the USS. ME → UICC → ME UICC → ME THE ME attempts to set up a call to '+0124012340123456''. The ME shall not update EF LND with the called party address. The user confirms the set up call to '+012340123456''. The ME receives the CONNECT message from the USS. ME → UICC → ME UICC → ME UICC → ME UICC → ME THE ME → UICC UICC → ME UICC → ME THE ME attempts to set up a call to '+012340123456''. The ME displays "CONFIRMATION 2" during the user confirms the set up 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 shall not update EF LND with the called party address. The user confirms the set up call to '+012340123456''. The ME displays "CALL 2" The ME shall not update EF LND with the called party address. The user confirms the set up call to '+012340123456''. The ME displays "CALL 2" The ME receives the CONNECT message sent by the ME in an appropriate wayl (Command performed successfully) The ME ONLY COMMAND PENDING: SET UP CALL 4.4.1 The ME shall not update EF LND with the called party address. The user confirm the set up call to '+012340123456''. The ME displays "CALL 2" The ME Shall not update EF LND with the called party address. The user confirmation phase The user confirm the set up call to '+012340123456''. The ME displays "CONFIRMATION 1" during the user confirmation phase The user confirms the set up call to '+012340123456''. The ME displays "CONFIRMATION 1" during the user confirmation phase The user confirms the set up call to '+012340123456''. The ME displays "CONFIRMATION 1" during the user confirms the set up call to '+012340123456''. The ME receives the CONNECT message from the USS. ME → UICC → ME USS → ME The ME at		_	$\overline{UICC} \to ME$		
WICC → ME					
A ME → USER → ME displays "CONFIRMATION 1" during the user confirmation phase The user confirms the set up call to "+012340123456". The ME displays "CALL 1" The ME shall not update EF LND with the called party address. ME → UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.4.2 ME → UISS → ME The User confirms the set up call to "+012340123456". The ME receives the CONNECT message from the USS. ME → UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.4.2 ME → USER → ME The User confirms the set up call to "+012340123456". The ME esturps in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.2 ME → USER → ME The User confirms the set up call to "+012340123456". The ME displays "CALL 2" The ME displays "CALL 4.4.1 The ME displays "CALL				_	
ME → USER	3	3	$UICC \to ME$		
USER → ME	1		ME LICED		
The user confirms the set up call to "+012340123456". 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 TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME displays "CALL 4.4.2 ME → UICC → ME UICC → ME UICC → ME USER → ME USER → ME The ME attempts to set up a call to "+012340123456". The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.2 The ME attempts to set up a call to "+012340123456". The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 The ME shall not update EF LND with the called party address. The user confirms the set up call to "+012340123456". The ME receives the CONNECT message from the USS. ME → UICC	4	•	WE → USER		
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 The Stall includes the called party address. ME → UICC → ME USER → ME 10 UICC → ME 11 ME → UICC 12 UICC → ME 13 ME → USER ME → USER → ME 14 USER → ME 15 ME → USER ME → UICC 16 USS → ME The ME receives the CONNECT message from the USS. ME → UICC → ME 17 ME → UICC ME → ME displays "CONFIRMATION 2" during the user confirmation phase the called party address. ME → UICC ME → USS → ME The ME attempts to set up a call to "+012340123456". The ME receives the CONNECT message from the USS. ME → UICC → ME USS → ME The ME attempts to set up a call to "+012340123456". The ME attempts to set up a call to the called party address. ME → UICC → ME USER → ME USER → ME USER → ME USER → ME USER → ME USER → ME USER → ME USER → ME UICC → ME UI	5	;	USER \rightarrow MF		[user confirmation is displayed with large
"-01234012345f". The ME displays "CALL 1" The ME receives the CONNECT message from the USS.			00Lit / IIIL		
The ME displays "CALL 1" The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME → UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.4.2 ME → USER → ME displays "CONFIRMATION 2" during the user confirmation phase The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The USER → ME displays "CONFIRMATION 2" during the user confirmation phase The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME receives the CONNECT message from the USS. ME → UICC → ME UICC → ME UICC → ME UICC → ME TRANINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user confirmation is displayed with normal font size] The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] [Command performed successfully] The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] [Command performed successfully] The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] The ME attempts to set up a call to "+012340123456"." The ME sipalays "CALL 1" The ME receives the CONNECT message from the USS.	6	;	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 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 4.4.2 ME → USER ME → USER ME → USER ME → USER ME displays "CONFIRMATION 2" during the user confirmation phase The user confirms the set up call to "+012340123456". The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The with end called party address. The user ends the call after 10 s. The ME receives the CONNECT message from the USS. ME → UICC ME → UICC TERMINAL RESPONSE 4.4.1 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 4.4.1 ME → UICC → ME UICC → ME UICC → ME UICC → ME THE ME receives the CONNECT message from the USS. The ME attempts to set up call ME → UICC ME → UICC TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME displays "CALL 4.4.1 ME → UICC → ME THO WICC → ME UICC → ME UICC → ME UICC → ME UICC → ME THO WICC → ME					large font size]
message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 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 4.4.2 ME → USER ME displays "CONFIRMATION 2" during the user confirmation phase The ME attempts to set up a call to "+012340123456". The ME → UICC ME → UICC ME → UICC TERMINAL RESPONSE 4.4.1 The ME displays "CALL 2" The ME receives the CONNECT message sent by the ME in an appropriate way] TREMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME receives the CONNECT message from the USS. ME → UICC ME → UICC ME → UICC → ME UICC → ME VICC → ME TREMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The user ends the call after 10 s. The ME receives the CONNECT message from the USS. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 ME → UICC ME ME → UICC				TI 1100 1 1 1 0TABT	
S	'		$USS \rightarrow ME$		
8 ME → UICC TERMINAL RESPONSE 4.4.1 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 4.4.2 13 ME → UICC 14 UICC → ME 15 ME → USSR The ME attempts to set up a call to "+012340123456". The ME displays "COALL 2" The ME receives the CONNECT message from the USS. 18 USSR → ME 17 ME → UICC 18 ME → UICC 19 UICC → ME 10 USSR → ME 11 The Wer ends the call after 10 s. The ME displays "CALL 2" The ME address. 18 USSR → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 10 ME → UICC 11 ME → UICC 21 UICC → ME 22 ME → UICC 23 USSR → ME 24 ME □ USSR ME □ USSR The ME attempts to set up a call to "+012340123456". The ME displays "CONFIRMATION 1" during the user confirmation phase The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 FETCH 22 ME → UICC 34 ME → UICC 35 The ME attempts to set up a call to "+012340123456". The ME displays "CONFIRMATION 1" during the user confirms the set up call 36 ME □ USSR The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. 18 USS → ME 19 UICS → ME 10 UICC → ME 10 UICC → ME 11				message from the 055.	
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 4.4.2 ME → USER ME → USER ME → USER ME → USER ME → USS The ME attempts to set up a call to "+012340123456". The ME returns in idle mode. PROACTIVE COMMAND: SET UP CALL 4.4.2 ME → USER → ME The ME displays "CONFIRMATION 2" during the user confirmation phase The ME displays "CALL 2" The ME displays "CALL 2" The ME receives the CONNECT message from the USS. The ME shall not update EF LND with the called party address. The USER → ME USER → ME The WE returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 The ME shall not update EF LND with the called party address. The UICC → ME SET UP CALL 4.4.1 The ME shall not update EF LND with the called party address. The UICC → ME WE → UICC ME → UICC	8	1	ME → LIICC	TERMINAL RESPONSE 4.4.1	
the called party address. The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.2 IME → USER → ME WE → USER → ME The user confirmation phase The user confirms the set up call to "+012340123456". The ME attempts to set up a call to "+0124012340123456". The ME shall not update EF LND with the called party address. WE → UICC → ME WE → UICC → ME TERMINAL RESPONSE 4.4.1 The We shall not update EF LND with the called party address. WE → UICC → ME W		<i>'</i>	WL → 0100		[command performed ducedscany]
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11 ME → UICC 12 UICC → ME 13 ME → USER 14 USER → ME 15 ME → USS 16 USS → ME 17 ME → UICC 18 ME → UICC 19 ME → UICC 19 ME → UICC 10 ME → UICC 10 ME → UICC 10 ME → UICC 10 ME → UICC 10 ME → UICC 10 ME → UICC 10 ME → UICC 10 ME → UICC 10 ME → UICC 10 ME → UICC 11 ME → UICC 12 ME → UICC 13 ME → UICC 14 ME → UICC 15 ME → UICC 16 ME → UICC 17 ME → UICC 18 ME → UICC 19 UICC → ME 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME → UICC 23 UICC → ME 24 ME → USER 25 USER → ME 26 The We attempts to set up a call to "+012340123456". The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME displays "CALL 1" The ME receives the CONNECT message from the USS. The ME receives the CONNECT message sent by the ME in an appropriate way] The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS.	10	0	$UICC \to ME$		
12 UICC → ME	۱.		ME IIIOO		
CALL 4.4.2 ME displays "CONFIRMATION 2" during the user confirmation phase The user confirms the set up call 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. ME → UICC TERMINAL RESPONSE 4.4.1 The ME shall not update EF LND with the called party address. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 ME → UICC TERMINAL RESPONSE 4.4.1 The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 ME → UICC ME → UICC ME → UICC ME → UICC TERMINAL RESPONSE 4.4.1 The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 ME displays "CONFIRMATION 1" during the user confirmation is displayed with large font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confirmation is displayed with lormal font size] [user confir					
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"+012340123456". The ME displays "CALL 2" The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 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 4.4.1 FETCH UICC → ME PROACTIVE COMMAND: SET UP CALL 4.4.1 FETCH WE → USER ME → USER ME displays "CONFIRMATION 1" during the user confirmation phase The user confirms the set up call 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. Inormal font size] The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] Inormal font size] In USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]					
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The ME receives the CONNECT message from the USS. ME → UICC TERMINAL RESPONSE 4.4.1 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 4.4.1 FETCH PROACTIVE COMMAND: SET UP CALL 4.4.1 ME displays "CONFIRMATION 1" during the user confirmation phase The user confirms the set up call 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. The ME receives the CONNECT message from the USS. The ME receives the CONNECT message sent by the ME in an appropriate way]					normal font size]
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18 USER → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME 22 ME → USER 23 USER → ME 24 ME □ USS The user ends the call after 10 s. The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 PROACTIVE COMMAND: SET UP CALL 4.4.1 ME displays "CONFIRMATION 1" during 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 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]					
The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 PROACTIVE COMMAND: SET UP CALL 4.4.1 PROACTIVE COMMAND: SET UP CALL 4.4.1 ME displays "CONFIRMATION 1" during the user confirmation phase The user confirms the set up call USER → ME USS → ME The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. The ME of the user confirmation is displayed with large font size] [second alpha identifier is displayed with large font size] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]		_			
19 UICC → ME SET UP CALL 4.4.1 20 ME → UICC 21 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.4.1 22 ME → USER 23 USER → ME 24 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. PROACTIVE COMMAND PENDING: SET UP CALL 4.4.1 PROACTIVE COMMAND: SET UP CALL 4.4.1 [user confirmation is displayed with large font size] [second alpha identifier is displayed with large font size] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]	18	8	$USER \to ME$		
SET UP CALL 4.4.1 PROACTIVE COMMAND: SET UP CALL 4.4.1 ME → USER ME → USER USER → ME USER → ME 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 1" The ME receives the CONNECT message from the USS. SET UP CALL 4.4.1 PROACTIVE COMMAND: SET UP CALL 4.4.1 ME displays "CONFIRMATION 1" during the user confirmation phase The user confirmation is displayed with large font size] [second alpha identifier is displayed with large font size] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]	10	a	LIICC - ME		
20 ME → UICC 21 VICC → ME 22 ME → USER 23 USER → ME 24 ME □ USS 25 USS → ME 26 USS → ME 27 USS → ME 28 DICC → ME 29 PROACTIVE COMMAND: SET UP CALL 4.4.1 20 ME displays "CONFIRMATION 1" during 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 1" The ME receives the CONNECT message from the USS. The ME of the command of the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]	13	9	OICC → IVIE		
21 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.4.1 22 ME → USER 23 USER → ME 24 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. PROACTIVE COMMAND: SET UP CALL 4.4.1 ME displays "CONFIRMATION 1" during the user confirmation phase The user confirms the set up call [user confirmation is displayed with large font size] [second alpha identifier is displayed with large font size] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]	20	0	$ME \rightarrow UICC$		
 ME → USER USER → ME USER → ME The user confirms the set up call 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. [Iuser confirmation is displayed with large font size] [Isecond alpha identifier is displayed with large font size] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way] 					
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USER → ME The user confirms the set up call The user confirms the set up call The user confirms the set up call In the user confirms the set up call The user confirms the set up call In the user confirms the set up call In the user confirms the set up call In the user confirms the set up call In the user confirms the set up call In the user confirms the set up call In the user confirmation is displayed with large font size] In the user confirms the set up call In the user confirmation is displayed with large font size]	22	2	$ME \to USER$		
24 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. The ME attempts to set up a call to "+012340123456". [second alpha identifier is displayed with large font size] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]	١ ۵	2	LIGED ME		Figure 2 confirms at the distribution of with laws a
The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. The ME attempts to set up a call to large font size] [Second alpha identifier is displayed with large font size] [The USS also has to handle the START DTMF and STOP DTMF messages sent by the ME in an appropriate way]	2	3	USER → ME	The user confirms the set up call	-
"+012340123456". The ME displays "CALL 1" The ME receives the CONNECT message from the USS. The ME receives the CONNECT pTMF and STOP DTMF messages sent by the ME in an appropriate way]	2	4	ME ILISS	The MF attempts to set up a call to	
The ME displays "CALL 1" The ME receives the CONNECT message from the USS. 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]	-		INL -000		large font sizel
message from the USS. DTMF and STOP DTMF messages sent by the ME in an appropriate way]					[3 ·
by the ME in an appropriate way]	2	5	$USS \to ME$		[The USS also has to handle the START
				message from the USS.	
$ $ ZO $ $ ME \rightarrow UICC $ $ 1 Ekwiinal Response 4.4.1 $ $ [Command performed successfully]		_	ME !!!OC	TEDMINIAL DECDONICE 4.4.4	
	20	0	ME → UICC		[Commana performed successfully]
The ME shall not update EF LND with the called party address.					
27 USER → ME The user ends the call after 10 s.	2	7	$USER \rightarrow MF$		
The ME returns in idle mode.			JOLIC / IVIL		
28 UICC → ME PROACTIVE COMMAND PENDING:	28	8	$UICC \to ME$		
SET UP CALL 4.4.3					
$ 29 ME \rightarrow UICC FETCH $	29	9	$ME \rightarrow UICC$	FE1CH	

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	0F	04	B4	D0	04	00	06	04	B4		

PROACTIVE COMMAND: SET UP CALL 4.4.2

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 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"

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	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: 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

27.22.4.13.4.4.5 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:	
2	ME o UICC	SET UP CALL 4.5.1 FETCH	
3	UICC → ME	PROACTIVE COMMAND: SET UP	
		CALL 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 estemants to est 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"	-
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	$ME \to UICC$	TERMINAL RESPONSE 4.5.1	[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 4.5.2	
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"	
4.4	LICED ME	during the user confirmation phase	[
14	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with normal font size]
15	$ME \to USS$	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 o UICC	TERMINAL RESPONSE 4.5.1	by the ME in an appropriate way] [Command performed successfully]
	,	The ME shall not update EF LND with	,,
18	$USER \to ME$	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 4.5.1 FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
22	ME o USER	CALL 4.5.1 ME displays "CONFIRMATION 1"	
	IVIL → USER	during the user confirmation phase	
23	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with small
24	ME □USS	The ME attempts to set up a call to	font size] [second alpha identifier is displayed with
	1	"+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
20	ME 1900	TERMINIAL RESPONSE 4.5.4	by the ME in an appropriate way]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.5.1 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:	
30		SET UP CALL 4.5.3	
29	$ME \rightarrow UICC$	FETCH	1

30	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.5.3	
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 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	0F	08	B4	D0	04	00	06	08	B4		

PROACTIVE COMMAND: SET UP CALL 4.5.2

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 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"

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	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: 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

27.22.4.13.4.5.5 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:	
		SET UP CALL 4.6.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
4	ME LICED	CALL 4.6.1	
4	$ME \rightarrow USER$	ME displays "CONFIRMATION 1" during the user confirmation phase	
5	USER → ME	The user confirms the set up call	[user confirmation is displayed with bold
	OOLK / WIL	The deer committee the cot up can	on]
6	$ME \to USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
		"+012340123456".	bold on]
_		The ME displays "CALL 1"	T. 1100 1 1 1 1 1 1 0TABT
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 → UICC	TERMINAL RESPONSE 4.6.1	[Command performed successfully]
	WIE 7 0100	The ME shall not update EF LND with	[command pomention duodestiany]
		the called party address.	
9	$USER \to ME$	The user ends the call after 10 s.	
1.0		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
11	ME → UICC	SET UP CALL 4.6.2 FETCH	
12	$VICC \rightarrow ME$	PROACTIVE COMMAND: SET UP	
'-	OIGG / IVIL	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
15	ME LICC	The ME attempts to get up a cell to	off]
15	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with bold off]
		The ME displays "CALL 2"	
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 IIIOO	TERMINIAL DECRONICE 4.6.4	by the ME in an appropriate way]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.6.1 The ME shall not update EF LND with	[Command performed successfully]
		the called party address.	
18	USER → ME	The user ends the call after 10 s.	
		The ME returns in idle mode.	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
00		SET UP CALL 4.6.1	
20	ME → UICC	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
22	ME → USER	ME displays "CONFIRMATION 1"	
	, 001.1	during the user confirmation phase	
23	$USER \to ME$	The user confirms the set up call	[user confirmation is displayed with bold
2.	NAE -1:00	T. 145 44 45 44 45 45 45 45 45 45 45 45 45 4	on]
24	ME □USS	The ME attempts to set up a call to "+012340123456".	[second alpha identifier is displayed with
		The ME displays "CALL 1"	bold on]
25	$USS \to ME$	The ME receives the CONNECT	The USS also has to handle the START
	7	message from the USS.	DTMF and STOP DTMF messages sent
			by the ME in an appropriate way]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE 4.6.1	[Command performed successfully]
		The ME shall not update EF LND with	
27	$USER \to ME$	the called party address. The user ends the call after 10 s.	
	OOLIN - IVIE	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	$ME \rightarrow USER$	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 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 → 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	0F	10	B4	D0	04	00	06	10	B4		

PROACTIVE COMMAND: SET UP CALL 4.6.2

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 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:

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"

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	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: 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

27.22.4.13.4.6.5 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: SET UP CALL 4.7.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
4	$ME \to USER$	CALL 4.7.1 ME displays "CONFIRMATION 1"	
-	WE → USEK	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". The ME displays "CALL 1"	[second alpha identifier is displayed with italic on]
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	$ME \rightarrow UICC$	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	$ME \rightarrow USS$	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.	
28	$UICC \to ME$	The ME returns in idle mode. 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	$ME \rightarrow USER$	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 italic off]
33	ME → 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 → UICC	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 4.7.1

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	0F	20	B4	D0	04	00	06	20	B4		

PROACTIVE COMMAND: SET UP CALL 4.7.2

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 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:

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"

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	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: 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

27.22.4.13.4.7.5 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 Comme 1 UICC → ME PROACTIVE COMMAND PENDING: SET UP CALL 4.8.1 2 ME → UICC FETCH 3 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.8.1	
2 $ME \rightarrow UICC$ FETCH PROACTIVE COMMAND: SET UP CALL 4.8.1	
3 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.8.1	
CALL 4.8.1	
4 MF → USFR ME displays "CONFIRMATION 1"	
4 ME → USER ME displays "CONFIRMATION 1" during the user confirmation phase	
5 USER → ME The user confirms the set up call [user confirmation is dis	splayed with
underline on]	- p
6 ME → USS The ME attempts to set up a call to [second alpha identifier	r is displayed with
"+012340123456". underline on]	
The ME displays "CALL 1"	U 4 OTABT
7 USS → ME The ME receives the CONNECT [The USS also has to h	
message from the USS. DTMF and STOP DTMI by the ME in an approp	
8 ME → UICC TERMINAL RESPONSE 4.8.1 [Command performed s	
The ME shall not update EF LND with	ouccoolany
the called party address.	
9 USER \rightarrow ME The user ends the call after 10 s.	
The ME returns in idle mode.	
10 UICC → ME PROACTIVE COMMAND PENDING:	
SET UP CALL 4.8.2	
11 ME → UICC FETCH 12 UICC → ME PROACTIVE COMMAND: SET UP	
12 UICC → ME PROACTIVE COMMAND: SET UP CALL 4.8.2	
13 ME → USER ME displays "CONFIRMATION 2"	
during the user confirmation phase	
14 USER → ME The user confirms the set up call [user confirmation is dis	splayed with
underline off]	
15 ME → USS The ME attempts to set up a call to [second alpha identifier	r is displayed with
"+012340123456". underline off]	
The ME displays "CALL 2" 16 USS → ME The ME receives the CONNECT [The USS also has to have had been dependent as high to have had been depen	andle the START
message from the USS. DTMF and STOP DTM	
by the ME in an approp	
17 ME → UICC TERMINAL RESPONSE 4.8.1 [Command performed s	
The ME shall not update EF LND with	
the called party address.	
18 USER → ME The user ends the call after 10 s.	
The ME returns in idle mode. 19 UICC → ME PROACTIVE COMMAND PENDING:	
SET UP CALL 4.8.1	
20 ME → UICC FETCH	
21 UICC → ME PROACTIVE COMMAND: SET UP	
CALL 4.8.1	
22 ME → USER ME displays "CONFIRMATION 1"	
during the user confirmation phase	
23 USER → ME The user confirms the set up call [user confirmation is dis underline on]	spiayed with
24 ME USS The ME attempts to set up a call to [second alpha identifier	r is displayed with
"+012340123456".	is displayed with
The ME displays "CALL 1"	
25 USS → ME The ME receives the CONNECT [The USS also has to h	
message from the USS. DTMF and STOP DTM	
by the ME in an approp	
26 ME → UICC TERMINAL RESPONSE 4.8.1 [Command performed s	successfully]
The ME shall not update EF LND with the called party address.	
27 USER → ME The user ends the call after 10 s.	
The ME returns in idle mode.	
28 UICC → ME PROACTIVE COMMAND PENDING:	
SET UP CALL 4.8.3	
$ $ 29 $ $ ME \rightarrow UICC $ $ FETCH $ $	

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".	[second alpha identifier is displayed with Undeline off]
34	$USS \to ME$	The ME displays "CALL 3" 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	0F	40	B4	D0	04	00	06	40	B4		

PROACTIVE COMMAND: SET UP CALL 4.8.2

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 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"

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	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: 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

27.22.4.13.4.8.5 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.

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.

27.22.4.13.4.9.4.2 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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
4	ME LIGER	CALL 4.9.1 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 strikethrough on]
6	$ME \to USS$	The ME attempts to set up a call to "+012340123456". The ME displays "CALL 1"	[second alpha identifier is displayed with strikethrough on]
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 MF in an appropriate way!
8	$ME \to UICC$	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. The ME returns in idle mode.	
10	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND PENDING: SET UP CALL 4.9.2	
11	$ME \to UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 4.9.2	
13	ME → 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 strikethrough off]
15	$ME \rightarrow USS$	The ME attempts to set up a call to "+012340123456". The ME displays "CALL 2"	[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	$ME \to UICC$	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	$ME \to USER$	CALL 4.9.1 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 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	$ME \to UICC$	TERMINAL RESPONSE 4.9.1 The ME shall not update EF LND with	[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 4.9.3	
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	0F	80	B4	D0	04	00	06	80	B4		

PROACTIVE COMMAND: SET UP CALL 4.9.2

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 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"

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	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: 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

27.22.4.13.4.9.5 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)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		SET UP CALL 4.10.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 4.10.1	
4	$ME \rightarrow USER$	ME displays "CONFIRMATION 1"	
5	LICED ME	during the user confirmation phase The user confirms the set up call	Lucar confirmation is displayed with
3	USER → ME	The user committis the set up can	[user confirmation is displayed with foreground and background colour
			according to Text Attribute configuration]
6	$ME \rightarrow USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
	1112 7 000	"+012340123456".	foreground and background colour
		The ME displays "CALL 1"	according to Text Attribute configuration]
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 4.10.1	[Command performed successfully]
		The ME shall not update EF LND with	
9	USER → ME	the called party address. The user ends the call after 10 s.	
9	USER → IVIE	The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
	OIGG / IVIE	SET UP CALL 4.10.2	
11	$ME \rightarrow UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 4.10.2	
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 ME"s
			default foreground and background colourl
15	$ME \rightarrow USS$	The ME attempts to set up a call to	[second alpha identifier is displayed with
	WE 7000	"+012340123456".	ME"s default foreground and
		The ME displays "CALL 2"	background colour]
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 4.10.1	[Command performed successfully]
		The ME shall not update EF LND with	
10	LICED ME	the called party address. The user ends the call after 10 s.	
18	$USER \to ME$	The ME returns in idle mode.	
	1	THE ME LEMINS III MIE MOME.	

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:

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

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	$ME \rightarrow USER$		["ЗДРАВСТВУЙТЕ": 'Hello' in
		user confirmation phase.	Russian]
5	$USER \to ME$	The user confirms the call set up	[user confirmation]
6	$ME \rightarrow USS$	The ME attempts to set up a call to	
_		"+012340123456"	
7	$USS \to ME$	The ME receives the CONNECT message	
_		from the USS.	
8	$ME \rightarrow UICC$		[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 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

Result

General Result: Command performed successfully

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		CALL 5.2.1	
4		ME displays "ЗДРАВСТВУЙТЕ1" during	['ЗДРАВСТВУЙТЕ1' : 'Hello1' in
		<u> </u>	Russian]
5		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
		The ME displays "ЗДРАВСТВУЙТЕ2"	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	$USER \to ME$	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"

Coding:

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

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:	
2	ME o UICC	SET UP CALL 6.2.1 FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 6.2.1	
4	$ME \rightarrow USER$	ME displays "确定" during the user	['确定' : 'Confirmation' in Chinese]
5 6		confirmation phase 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]
		The ME displays "打电话"	
7	$USS \to ME$	The ME receives the CONNECT message from the USS.	
8	$ME \to UICC$	TERMINAL RESPONSE 6.2.1 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 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: 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

27.22.4.13.6.5 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	$ME \to USER$	ME displays "ル" during user confirmation phase.	[Character in Katakana]
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 7.1.1 The ME shall not update EF LND with the	[Command performed successfully]
9	$USER \to ME$	called party address. 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: "/\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

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	$ME \to USER$	ME displays ">\mu 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	
		message from the USS.	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE 7.2.1	[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 7.2.1

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: "//1"

Address

TON: International

NPI: ISDN / telephone numbering plan

Dialling number string "012340123456"

Alpha Identifier (call set up phase): "/\(\mathcal{D}\)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: 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

27.22.4.13.7.5 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

For sequence 1.1:

- The elementary files are coded as Toolkit default.
- The ME is connected to the USIM Simulator and to the USS.

For sequence 1.2:

- The default E-UTRAN/EPC UICC, the default E-UTRAN parameters are used.
- The ME is connected to the USIM Simulator and to the E-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: POLL INTERVAL 1.1.1	Interval = 1 min
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: POLL INTERVAL 1.1.1 A or TERMINAL RESPONSE: POLL INTERVAL 1.1.1B	[command performed successfully, duration depends on the ME"s capabilities]
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	$ME \rightarrow UICC$	TERMINAL RESPONSE: POLLING OFF 1.1.2	[command performed successfully]
9	$USER \to ME$	Call to be set up	
10	$ME \rightarrow UICC$	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: 1

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:

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: 1

Coding:

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

TERMINAL RESPONSE: POLL INTERVAL 1.1.1B

Logically:

Command details

Command number: 1

Command type: POLL INTERVAL

Command qualifier: "00"

Device identities

Source device: ME
Destination device: 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								

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.

PROACTIVE COMMAND: POLLING OFF 1.1.2

Logically:

Command details

Command number: 1

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
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TERMINAL RESPONSE: POLLING OFF 1.1.2

Logically:

Command details

Command number: 1

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
	•			• .			~-		.			

Expected Sequence 1.2 (POLLING OFF, E-UTRAN)

Step	Direction	MESSAGE / Action	Comments
1	$ME \to E\text{-}USS$	The UE successfully performs	
		EPS bearer context activation	
2	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: POLL INTERVAL	
		1.1.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND:	Interval = 1 min
		POLL INTERVAL 1.1.1	
5	$ME \to UICC$		[command performed successfully, duration
		INTERVAL 1.1.1 A or	depends on the ME"s capabilities]
		TERMINAL RESPONSE: POLL	
		INTERVAL 1.1.1B	
6	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: POLLING OFF	
		1.1.2	
7	1112 / 0100	FETCH	
8	$UICC \to ME$	PROACTIVE COMMAND:	
		POLLING OFF 1.1.2	
9	$ME \rightarrow UICC$		[command performed successfully]
		POLLING OFF 1.1.2	
10	$ME \rightarrow UICC$	Periods of inactivity on the	
		UICC-ME interface shall not	
		exceed 30 seconds	

27.22.4.14.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 - 1.2.

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 intra- and inter-frequency measurements,
- the E-UTRAN intra- and inter-frequency measurements.
- The CSG ID list and corresponding HNB names of surrounding CSG cells (if class "q" is supported).

if the local information is stored in the ME; otherwise, sends the correct error code to the UICC in the TERMINAL RESPONSE.

To verify that the ME returns required error information in the TERMINAL RESPONSE in case requested information cannot be provided due to missing network coverage.

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 E- UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Tracking Area Code (TAC) = 0001;
- E-UTRAN Cell Identity value = 0001 (28 bits);

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 with the exception that for sequences 1.14 to 1.18, the default E-UTRAN/EPC UICC is used.

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 sequences 1.7 and 1.12 shall be used on a USS setting up only a UTRAN cell.

Expected sequence 1.12 requires 2 UTRA cells on the same frequency and 1.13 requires 2 UTRA cells on different frequencies.

Expected sequences 1.14 and 1.17 shall be used on a E-USS setting up only a E-UTRAN cell.

Expected sequence 1.15 requires 2 E-UTRA cells on the same frequency and 1.16 requires 2 E-UTRA cells on different frequencies.

To verify that the E-UTRAN cell identifier is correctly transmitted when requesting the location information while accessing an E-UTRAN.

Expected sequence 1.18 requires 2 E-UTRAN cells configured in CSG mode.

For sequence 1.18 the default E-UTRAN/EPC UICC is used and the E-USS transmits on 2 cells with the following parameters:

Network parameters for cell 1:

- TAI (MCC/MNC/TAC): 001/01/0001.

Access control: unrestricted.

- csg-Indication: TRUE

- csg-Identity: 01 (27 bits)

- Home (e)NB Name Home ONE

Network parameters for cell 2:

- TAI (MCC/MNC/TAC): 001/01/0002.

- Access control: unrestricted.

- csg-Indication: TRUE

- csg-Identity: 02 (27 bits)

- Home (e)NB Name Home TWO

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	111L / 0.00	FETCH	
3	UICC → ME	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1	
4	ME → UICC	PROVIDE LOCAL INFORMATION 1.1.1A or	[Command performed successfully, MCC MNC LAC and Cell Identity as USS, option A shall apply for 3GPP parameters] [Command performed successfully, MCC MNC LAC and Cell Identity as USS, option B shall apply for PCS1900 parameters]

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1

Logically:

Command details

Command number:

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	l
----------------	----	----	----	----	----	----	----	----	----	---

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.1.1A

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 = 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:

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:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "01" IMEI of the ME

Device identities

Source device: UICC Destination device: ME

Coding:

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

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.2.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "01" IMEI of the ME

Device identities

Source device: ME
Destination device: 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	80	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	$ME \rightarrow UICC$	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

Coding:

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	$ME \to UICC$	FETCH	
3		PROACTIVE COMMAND: PROVIDE	
		LOCAL INFORMATION 1.6.1	
4	$ME \rightarrow UICC$	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

Coding:

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
	ΑE	02	00	00								

Expected Sequence 1.7 (PROVIDE LOCAL INFORMATION, Access Technology

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.7.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.7.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.7.1	[Command performed successfully]

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.7.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "06" Access Technology

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	26	06	82	02	81	82

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.7.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "06" Access Technology

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Access Technology

Technology: UTRAN

BER-TLV:	81	03	01	26	06	82	02	82	81	83	01	00
	3F	01	03									

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	$ME \rightarrow UICC$	FETCH	
5	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.9.1	
6	ME → UICC	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:

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	08	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.

BER-TLV:	81	03	01	26	08	82	02	82	81	83	01	00	1
	E2	09	XX	XX	XX	XX	XX	XX	XX	XX	XX		ì

Expected Sequence 1.10 (PROVIDE LOCAL INFORMATION, Network Search Mode)

Step	Direction	MESSAGE / Action	Comments
1	User	The user sets the ME to manual network	
		selection mode	
2	$UICC \to ME$	PROACTIVE COMMAND PENDING	
		PROVIDE LOCAL INFORMATION 1.10.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL	
		INFORMATION 1.10.1	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: PROVIDE LOCAL	[Command performed successfully]
		INFORMATION 1.10.1	
6	User	The user selects automatic network selection	
		mode	
7	$UICC \to ME$	PROACTIVE COMMAND PENDING	
		PROVIDE LOCAL INFORMATION 1.10.2	
8	$ME \rightarrow UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL	
		INFORMATION 1.10.2	
10	$ME \rightarrow UICC$	TERMINAL RESPONSE: PROVIDE LOCAL	[Command performed successfully]
		INFORMATION 1.10.2	

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.10.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "09" Search Mode

Device identities

Source device: UICC Destination device: ME

Coding:

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

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.10.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "09" Search Mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Network Search Mode Manual mode

Coding:

BER-TLV:	81	03	01	26	09	82	02	82	81	83	01	00
	65	01	00									

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.10.2

same as PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.10.1

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.10.2

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Oualifier: "09" Search Mode

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Network Search Mode Automatic mode

Coding:

BER-TLV:	81	03	01	26	09	82	02	82	81	83	01	00
	65	01	01									

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, Intra-Frequency UTRAN Measurements)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.12.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		PROVIDE LOCAL INFORMATION	
		1.12.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully]
		PROVIDE LOCAL INFORMATION	
		1.12.1	

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.12.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC
Destination device: ME
UTRAN/E-UTRAN Measurement Qualifier

UTRAN/E-UTRAN Measurement Qualifier: "01" Intra-frequency measurements

BER-TLV:	D0	0C	81	03	01	26	02	82	02	81	82	69
	01	01										

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.12.1

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 MEASUREMENT REPORT message
intraFreqMeasuredResultsList

Coding:

BER-TLV:	81	03	01	26	02	82	02	82	81	83	01	00
	96	Note	80	00	Note							
		1			2							

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note2: The remaining bytes shall not be verified.

Expected Sequence 1.13 (PROVIDE LOCAL INFORMATION, Inter-frequency UTRAN Measurements)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.13.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.13.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.13.1	[Command performed successfully]

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.13.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC
Destination device: ME
UTRAN/E-UTRAN Measurement Qualifier

UTRAN/E-UTRAN Measurement Qualifier: "02" Inter-frequency measurements

Coding:

BER-TLV:	D0	0C	81	03	01	26	02	82	02	81	82	69
	01	02										

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.13.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number:

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 MEASUREMENT REPORT message

inter Freq Measured Results List

Coding:

BER-TLV:	81	03	01	26	02	82	02	82	81	83	01	00
	96	Note	80	11	Note							
		1			2							İ

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note2: The remaining bytes shall not be verified.

Expected Sequence 1.14 (PROVIDE LOCAL INFORMATION, Access Technology, E-UTRAN)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.14.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		PROVIDE LOCAL INFORMATION	
		1.14.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully]
		PROVIDE LOCAL INFORMATION	
		1.14.1	

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.14.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "06" Access Technology

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	26	06	82	02	81	82

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.14.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "06" Access Technology

03

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

01

26

Access Technology

BER-TLV:

Technology: E-UTRAN

81

Coding:

|--|

82

02

82

81

83

00

06

Expected Sequence 1.15 (PROVIDE LOCAL INFORMATION, E-UTRAN Intra-Frequency Measurements)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.15.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	
		PROVIDE LOCAL INFORMATION	
		1.15.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully]
		PROVIDE LOCAL INFORMATION	
		1.15.1	

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.15.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC
Destination device: ME

UTRAN/E-UTRAN Measurement Qualifier

UTRAN/E-UTRAN Measurement Qualifier: "05" E-UTRAN Intra-frequency measurements

Coding:

BER-TLV:	D0	0C	81	03	01	26	02	82	02	81	82	69
	01	05										

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.15.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number:

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 MEASUREMENT REPORT message

intra Freq Measured Results List

Coding:

BER-TLV:	81	03	01	26	02	82	02	82	81	83	01	00
	96	Note	80	00	Note							
		1			2							

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note2: The remaining bytes shall not be verified.

Expected Sequence 1.16 (PROVIDE LOCAL INFORMATION, E-UTRAN Inter-Frequency Measurements)

Step	Direction	MESSAGE / Action	Comments
1	ME	Terminal is in RRC idle state	
2	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.16.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND:	
		PROVIDE LOCAL INFORMATION	
		1.16.1	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully,
		PROVIDE LOCAL INFORMATION	limited service]
		1.16.1	

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.16.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION
Qualifier: "02" Network Measurement Results

Device identities

Source device: UICC

Destination device: ME UTRAN/E-UTRAN Measurement Qualifier

UTRAN/E-UTRAN Measurement Qualifier: "06" E-UTRAN Inter-frequency measurements

Coding:

BER-TLV:	D0	0C	81	03	01	26	02	82	02	81	82	69
	01	06										

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.16.1

The actual values of the measurements are not tested.

Logically:

Command details

Command number:

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 MEASUREMENT REPORT message

inter Freq Measured Results List

Coding:

BER-TLV:	81	03	01	26	02	82	02	82	81	83	01	00
	96	Note	80	11	Note							
		1			2							

Note 1: This is the length indicator for the following bytes which represent the Measurement report coded in ASN.1 and therefore the length cannot be foreseen.

Note2: The remaining bytes shall not be verified.

Expected Sequence 1.17 (PROVIDE LOCAL INFORMATION, E-UTRAN Local Info (MCC, MNC, TAC & E-UTRAN Cell ID))

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING PROVIDE LOCAL	
		INFORMATION 1.1.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.17.1	

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1

Sames as PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.1.1 in expected sequence 1.1

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.17.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "00" Location information (MCC MNC TAC and E-UTRAN Cell Identity)

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Location Information

MCC & MNC: MCC = 001, MNC = 01

Tracking Area Code: 0001

E-UTRAN Cell Identifier: 0001 (28 bits)

Coding:

BER-TLV:	81	03	01	26	00	82	02	82	81	83	01	00
	93	09	00	F1	10	00	01	00	00	00	1F	

Expected Sequence 1.18 (PROVIDE LOCAL INFORMATION, Discovery of surrounding CSG cells)

Step	Direction	MESSAGE / Action	Comments
1	E-USS	Cell 1 is enabled, with csg-indication set to TRUE	
		Cell 2 disabled	
2	ME	A manual CSG cell selection is performed.	
3	$UICC \to ME$	PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.18.1	
4	$ME \rightarrow UICC$	FETCH	
5	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.18.1	1 cell in the list
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.18.1	[Command performed successfully]
7	E-USS	Cell 2 is enabled, with csg-indication set to TRUE	
8	ME	A manual CSG cell selection is performed.	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING PROVIDE LOCAL INFORMATION 1.18.1	
10	$ME \rightarrow UICC$	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.18.2	2 cells in the list
12	$ME \rightarrow UICC$	TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.18.1	[Command performed successfully]

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.18.1

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "11" CSG ID list and corresponding HNB name

Device identities

Source device: UICC Destination device: ME

Coding:

BER-TLV:	D0	09	81	03	01	26	11	82	02	81	82	

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.18.1

Logically:

Command details

Command number: 1

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "11" CSG ID list and corresponding HNB name

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

CSG ID list Identifier

1st CSG ID 01 (27 bits) 1st HNB name Home ONE

Location Information

MCC & MNC: MCC = 001, MNC = 01

Tracking Area Code: 0001

E-UTRAN Cell Identifier: 0001(28 bits)

Coding:

BER-TLV:	81	03	01	26	11	82	02	82	81	83	01	00
	7E	17	00	00	00	3F	80	11	80	00	48	00
	6F	00	6D	00	65	00	20	00	4F	00	4E	00
	45	93	09	00	F1	10	00	01	00	00	00	1F

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.18.2

Logically:

Command details

Command number:

Command type: PROVIDE LOCAL INFORMATION

Qualifier: "11" CSG ID list and corresponding HNB name

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

CSG ID list Identifier

1st CSG ID01 (27 bits)1st HNB nameHome ONE2nd CSG ID02 (27 bits)

2nd HNB name Home TWOLocation Information

MCC & MNC: MCC = 001, MNC = 01

Tracking Area Code: 0001

E-UTRAN Cell Identifier: 0001 (28 bits)

					- (,						
BER-TLV:	81	03	01	26	11	82	02	82	81	83	01	00
	7E	2E	00	00	00	3F	80	11	80	00	48	00
	6F	00	6D	00	65	00	20	00	4F	00	4E	00
	45	00	00	00	5F	80	11	80	00	48	00	6F
	00	6D	00	65	00	20	00	54	00	57	00	4F
	93	09	00	F1	10	00	01	00	00	00	1F	

Expected Sequence 1.19 (PROVIDE LOCAL INFORMATION, Location Information for Multiple Access Technologies)

TBD

Expected Sequence 1.20 (PROVIDE LOCAL INFORMATION, NMR for Multiple Access Technologies)

TBD

Expected Sequence 1.21 (PROVIDE LOCAL INFORMATION, current access technologies, Multiple Access Technologies)

TBD

NOTE: The above test sequences (1.19, 1.20, 1.21) on Multiple Access Technologies imply the support of one or more non-3GPP access technologies and therefore can not be tested within 3GPP.

27.22.4.15.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.18.

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	$ME \to UICC$		
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	$ME \rightarrow UICC$	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:

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:

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)

Coding:

BER-TLV:	l D6	I OA	l 99	01	01	82	02	82	81	1 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	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.2.1	[Call Connected and Call Disconnected Events]
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 1.2.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.2.2	
6	$ME \to UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.2.2	[Call Disconnected Event]
8	$ME \to UICC$	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	$USER \to ME$	User shall accept the incoming call	
12	$ME \to USS$	CONNECT 1.2.2	
13	$USS \to ME$	DISCONNECT 1.2.2	
14	ME → UICC	ENVELOPE: EVENT DOWNLOAD CALL DISCONNECT 1.2.2A or ENVELOPE: EVENT DOWNLOAD CALL DISCONNECT 1.2.2B	[Call Disconnect Event]
15	$UICC \to ME$	PROACTIVE UICC SESSION 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

Coding:

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	$ME \to UICC$	FETCH	
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	
_		1.3.2	
5	$ME \rightarrow UICC$		
6	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[Remove Event]
_		EVENT LIST 1.3.2	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
	11100 145	EVENT LIST 1.3.2	
8	UICC → ME	PROACTIVE UICC SESSION	
10	LICC . ME	ENDED SETUP 1.3.2	[Incoming call alert]
11			[Incoming can alert]
		User shall accept the incoming call	
12		CONNECT 1.3.2	
13	$ME \rightarrow UICC$	No ENVELOPE: EVENT	
1 4 4	LICO ME	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:

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

Coding:

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: 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

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	$ME \to UICC$		
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		Power off ME	
6		Power on ME	
7	$USS \to ME$	SETUP 1.4.1	[Incoming call alert]
8	$USER \to ME$	User shall accept the incoming call	
9	$ME \to USS$	CONNECT 1.4.1	
10	$ME \to UICC$	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

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.

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.

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.

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		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 → ME	Select idle screen	Only if idle screen not already available
6	ME → USER	Display "Idle Mode Text"	[D: 1 : 1: 4 OMO]
7	USS → ME	SMS PP 1.4.1	[Display immediate SMS]
8	ME → USER		
9	$USER \to ME$	Clear display and select idle screen	
10	$ME \rightarrow USER$	Display "Idle Mode Text"	
11	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: DISPLAY TEXT 1.4.1	
12	$ME \rightarrow UICC$	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	$ME \rightarrow USER$	Display "Toolkit Test 1"	
15	$USER \to ME$	Clear Message	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE:	[Command performed successfully]
4-		DISPLAY TEXT 1.4.1	
17	ME → USER	Display "Idle Mode Text"	
18	$UICC \to ME$	PROACTIVE COMMAND	
40	ME 11100	PENDING: PLAY TONE 1.4.1	
19	, 0.00	FETCH	
20	$UICC \to ME$	PROACTIVE COMMAND: PLAY TONE 1.4.1	
21	ME → USER	Display "Dial Tone"	
21	IVIE -> USER	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]
	, 0,00	TONE 1.4.1	[
23	$UICC \to ME$	PROACTIVE UICC SESSION	
	_	ENDED	
24	$ME \rightarrow USER$	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: 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 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:

PROACTIVE COMMAND: PLAY TONE 1.4.1

Logically:

Command details

Command number:

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
DEIX IEV.	0.	00	0.		00	02	02	02	0.	00	0.	00

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		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	$USER \to ME$		
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	$ME \rightarrow USER$	Display "Idle Mode Text"	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: REFRESH 1.6.1	
8	$ME \rightarrow UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND:	[USIM Initialization]
		REFRESH 1.6.1	
10		USIM INITIALIZATION	
11	$USER \to ME$	Select idle screen	Only if idle screen not already available
12	$ME \rightarrow USER$	Display idle screen / "Idle Mode	
		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:	
		REFRESH 1.6.1B	
14	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE COMMAND: REFRESH 1.6.1

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 1.6.1A

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.

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 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.

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:

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	$ME \rightarrow UICC$	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	6F	64	Α8	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	$ME \rightarrow UICC$	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	
		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 2.1.1

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:

Icon qualifier: icon is 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	00	01

TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A

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		

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: 1

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		Display COLOUR-ICON without	
		the alpha identifier	
5	$ME \rightarrow UICC$		[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:

 $\begin{array}{ll} \mbox{Icon qualifier:} & \mbox{icon is self-explanatory} \\ \mbox{Icon identifier:} & \mbox{record 2 in } \mbox{EF}_{(IMG)} \end{array}$

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	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[BASIC-ICON, non self-explanatory, request
		AT COMMAND 2.3.1	IMSI]
4	$ME \to USER$	Display "Basic Icon" and BASIC-	
		ICON	
5	$ME \to UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 2.1.1A	response containing IMSI]

PROACTIVE COMMAND: RUN AT COMMAND 2.3.1

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	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	[BASIC-ICON, non self-explanatory, request
		AT COMMAND 2.3.1	IMSI]
4	$ME \to USER$	Display "Basic Icon" without	
		BASIC-ICON	
5	$ME \to UICC$	TERMINAL RESPONSE: RUN AT	[Command performed but requested icon
		COMMAND 2.1.1B	could not be displayed, AT response
1			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	$ME \rightarrow UICC$		[Command performed successfully, AT
		COMMAND 2.1.1A	response containing IMSI]

PROACTIVE COMMAND: RUN AT COMMAND 2.4.1

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: "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	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	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed but requested icon
		COMMAND 2.1.1B	could not be displayed, AT response
			containing IMSI]

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:

Command type: RUN AT COMMAND

Command qualifier: "00"

Device identities

Source device: UICC Destination device: ME

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	16	81	03	01	34	00	82	02	81	82	A8	
	07	41	54	2B	43	49	4D	49	9E	02	01	01	l

TERMINAL RESPONSE: RUN AT COMMAND 2.5.1

Logically:

Command details

Command number:

Command type: RUN AT COMMAND

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	11.12 / 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.1.1	
4	$ME \left(ightarrow ight.$	Display "Run AT Command 1"	[alpha identifier is displayed with left
	USER)		alignment, request IMSI]
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.1.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
7	LUCO ME	PROACTIVE COMMAND	
/	$UICC \to ME$	PENDING: RUN AT COMMAND	
		3.1.2	
8	ME → UICC	FETCH	
9	UICC → ME	PROACTIVE COMMAND: RUN	
	OICC - IVIL	AT COMMAND 3.1.2	
10	$ME \left(\to \right.$	Display "Run AT Command 2"	[Message shall be formatted without left
	USER)	September 1	alignment, request IMSI. Remark: If left
	00211)		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
		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: 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 3.1.1

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		

27.22.4.23.3.1.5 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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.2.1	
4	$ME \left(ightarrow ight.$	Display "Run AT Command 1"	[alpha identifier is displayed with center
	USER)		alignment, request IMSI]
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.2.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
7		PROACTIVE COMMAND	
/	$UICC \to ME$	PENDING: RUN AT COMMAND	
		3.2.2	
8	ME → UICC	FETCH	
9	$VICC \rightarrow ME$	PROACTIVE COMMAND: RUN	
3	OICC → IVIE	AT COMMAND 3.2.2	
10	ME (→	Display "Run AT Command 2"	[Message shall be formatted without center
	USER)	Biopiay Train 711 Command 2	alignment, request IMSI. Remark: If center
	OOLIN)		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
		COMMAND 3.2.1	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	1112 / 0100	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.3.1	
4	$ME (\rightarrow USER)$	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	LUCC ME	ENDED PROACTIVE COMMAND	
/	$UICC \to ME$	PENDING: RUN AT COMMAND	
		3.3.2	
8	ME → UICC	FETCH	
9	IVIL / 0100	PROACTIVE COMMAND: RUN	
3	OICC - IVIL	AT COMMAND 3.3.2	
10	ME (LISER)	Display "Run AT Command 2"	[Message shall be formatted without right
	INL (> OOLIK)	Biopiay Ran Ar Commana 2	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	В4				

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.3.2

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 3.3.1

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		

27.22.4.23.3.3.5 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)

1 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.1 2 ME → UICC FETCH PROACTIVE COMMAND: RUN AT COMMAND 3.4.1 4 ME (→ USER) 5 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 6 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND 3.4.1 7 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.2 8 ME → UICC FETCH PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.2 10 ME (→ USER) 11 ME → UICC Display "Run AT Command 2" USER) 11 UICC → ME PROACTIVE UICC SESSION ENDED UICC → ME USER) 12 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED UICC → ME	Step	Direction	MESSAGE / Action	Comments
2 ME → UICC 3 UICC → ME 4 ME (→ USER) 5 ME → UICC 6 UICC → ME 7 UICC → ME 7 UICC → ME 10 ME (→ UICC → ME 11 ME (→ USER) 11 ME (→ USER) 12 UICC → ME 13 UICC → ME 14 ME (→ USER) 15 ME → UICC 16 UICC → ME 17 UICC → ME 18 ME → UICC 19 UICC → ME 10 ME (→ USER) 11 ME (→ USER) 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME → UICC 17 UICC → ME 18 ME → UICC 18 ME → UICC 19 UICC → ME 10 ME (→ USER) 11 ME → UICC 11 UICC → ME 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 10 ME (→ USER) 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 19 PROACTIVE UICC SESSION ENDED 19 UICC → ME 19 PROACTIVE UICC SESSION ENDED 19 UICC → ME 10 ME (→ USER) 10 ME → UICC 11 Display "Run AT Command 1" Size, request IMSI] 12 (Ialpha identifier is displayed with large font size, request IMSI] 19 (Ialpha identifier is displayed with large font size, request IMSI] 10 (Ialpha identifier is displayed with large font size, request IMSI] 11 (Ialpha identifier is displayed with large font size, request IMSI] 12 (Ialpha identifier is displayed with large font size, request IMSI] 14 (Ialpha identifier is displayed with large font size, request IMSI] 15 (Ialpha identifier is displayed with large font size, request IMSI] 16 (Ialpha identifier is displayed with large font size, request IMSI] 17 (Ialpha identifier is displayed with large font size, request IMSI] 18 (Ialpha identifier is displayed with large font size, request IMSI]	1	$UICC \to ME$		
2 ME → UICC 3 UICC → ME HPROACTIVE COMMAND: RUN AT COMMAND 3.4.1 4 ME (→ USER) 5 ME → UICC 6 UICC → ME 7 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND 3.4.2 8 ME → UICC 9 UICC → ME 10 ME (→ USER) 11 ME → UICC 12 UICC → ME 13 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME → UICC 17 TERMINAL RESPONSE: RUN AT COMMAND 18 NE → UICC 19 UICC → ME 10 ME (→ USER) 11 ME → UICC 11 UICC → ME 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 PROACTIVE COMMAND 3.4.1 18 UICC → ME 19 UICC → ME 19 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND				
3		ME IIIOO	1	
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USER) ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PROBLES RUN AT COMMAND 3.4.2 ME → UICC → ME ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.4.2 B ME → UICC ME (→ USER) ME → UICC ME (→ USER) ME → UICC UICC → ME TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 ME → UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.1 ME → UICC → ME ME (→ USER) ME (→ USER) TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 ME → UICC → ME PROACTIVE COMMAND RUN AT COMMAND 3.4.1 Display "Run AT Command 1" USER) TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 ME (→ USER) TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 [alpha identifier is displayed with large font size, request IMSI] [command performed successfully, AT Response containing IMSI] [command performed successfully, AT Response containing IMSI]	4	MF (→		[alpha identifier is displayed with large font
5 ME → UICC Graph of the properties of the pro		•	Display Train 711 Command 1	
6 UICC → ME PROACTIVE UICC SESSION ENDED 7 UICC → ME PROACTIVE COMMAND PROBLEM SIZE PROBLEM SIZ	5	•	TERMINAL RESPONSE: RUN AT	
Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI] Terminal response containing IMSI]			COMMAND 3.4.1	Response containing IMSI]
TOMMAND 3.4.2 ME → UICC → ME	6	$UICC \to ME$		
PENDING: RUN AT COMMAND 3.4.2 FETCH PROACTIVE COMMAND: RUN AT COMMAND 3.4.2 Display "Run AT Command 2" USER 11	_			
8 ME → UICC 9 ME (→ UICC → ME) 10 ME (→ USER) 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ UICC 17 TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 18 UICC → ME 19 UICC → ME 10 Display "Run AT Command 2" 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ UICC 17 TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 Display "Run AT Command 1" 11 ME → UICC 12 Display "Run AT Command 1" 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 PROACTIVE COMMAND 15 TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 16 PROACTIVE UICC SESSION ENDED 17 PROACTIVE UICC SESSION ENDED 18 UICC → ME 19 PROACTIVE COMMAND	/	$UICC \to ME$		
8				
9 UICC → ME AT COMMAND: RUN AT COMMAND 3.4.2 10 ME (→ USER) 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 UICC → ME 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 10 Display "Run AT COMMAND AT COMMAND 3.4.1 10 Display "Run AT Command 1" 11 Display "Run AT Command 1" 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 Display "Run AT Command 1" 11 Display "Run AT Command 1" 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 Display "Run AT Command 1" 10 Display "Run AT Command 1" 11 Display "Run AT Command 1" 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 Display "Run AT Command 2" 10 Display "Run AT Command 1" 11 Elalpha identifier is displayed with normal font size, request IMSI] 12 [Command performed successfully, AT Response containing IMSI] 16 Response containing IMSI]	8	$ME \rightarrow UICC$		
TERMINAL RESPONSE: RUN AT Command 2" 10			PROACTIVE COMMAND: RUN	
USER) ME → UICC ME → UICC → ME 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC ME (→ USER) 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 10 UICC → ME 11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 UICC → ME 11 UICC → ME 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 PROACTIVE COMMAND 10 UICC → ME 11 UICC → ME 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 PROACTIVE UICC SESSION ENDED 19 PROACTIVE COMMAND			AT COMMAND 3.4.2	
11 ME → UICC 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 UICC → ME 11 ME → UICC 11 Display "Run AT Command 1" 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 ME → UICC 11 Display "Run AT Command 1" 12 UICC → ME 13 UICC → ME 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 10 UICC → ME 11 Display "Run AT Command 1" 12 (Command performed successfully, AT Response containing IMSI) 13 (Command performed successfully, AT Response containing IMSI)	10		Display "Run AT Command 2"	
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12 UICC → ME PROACTIVE UICC SESSION ENDED 13 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.1 14 ME → UICC 15 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.4.1 16 ME (→ USER) 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.4.1 18 UICC → ME PROACTIVE COMMAND 19 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND	11	$ME \rightarrow UICC$		
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13 UICC → ME PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.1 14 ME → UICC 15 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.4.1 16 ME (→ USER) 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND TOMMAND 18 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND	12	OICC - IVIL		
PENDING: RUN AT COMMAND 3.4.1 14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 PROACTIVE COMMAND 3.4.1 FETCH PROACTIVE COMMAND: RUN AT COMMAND 3.4.1 [alpha identifier is displayed with large font size, request IMSI] [Command performed successfully, AT Response containing IMSI] [Command performed successfully, AT Response containing IMSI]	13	$UICC \to ME$		
14 ME → UICC 15 UICC → ME 16 ME (→ USER) 17 ME → UICC 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 10 ME → UICC 11 FETCH PROACTIVE COMMAND: RUN AT COMMAND 3.4.1 PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND FETCH PROACTIVE COMMAND: RUN AT COMMAND: RUN AT COMMAND 3.4.1 [alpha identifier is displayed with large font size, request IMSI] [Command performed successfully, AT Response containing IMSI]			PENDING: RUN AT COMMAND	
15 UICC → ME PROACTIVE COMMAND: RUN AT COMMAND 3.4.1 16 ME (→ USER) 17 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 18 UICC → ME 19 UICC → ME PROACTIVE COMMAND PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND				
AT COMMAND 3.4.1 16 ME (→ USER) 17 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 18 UICC → ME 19 UICC → ME PROACTIVE UICC SESSION ENDED PROACTIVE COMMAND				
 ME (→ USER) ME → UICC TERMINAL RESPONSE: RUN AT Command 1" size, request IMSI] UICC → ME UICC → ME UICC → ME UICC → ME Display "Run AT Command 1" size, request IMSI] [Command performed successfully, AT Response containing IMSI] UICC → ME UICC → ME PROACTIVE COMMAND 	15	$UICC \to ME$		
USER) 17 ME → UICC TERMINAL RESPONSE: RUN AT COMMAND 3.4.1 18 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE COMMAND	16	ME (_		Salpha identifier is displayed with large font
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18 UICC → ME PROACTIVE UICC SESSION ENDED 19 UICC → ME PROACTIVE COMMAND	17	•	TERMINAL RESPONSE: RUN AT	
19 UICC → ME PROACTIVE COMMAND			COMMAND 3.4.1	Response containing IMSI]
19 UICC → ME PROACTIVE COMMAND	18	$UICC \to ME$		
	10	LUCO		
	19	UICC → ME	PENDING: RUN AT COMMAND	
3.4.3				
20 ME → UICC FETCH	20	$ME \rightarrow UICC$		
21 UICC → ME PROACTIVE COMMAND: RUN			_	
AT COMMAND 3.4.3				
22 ME (→ Display "Run AT Command 3" [alpha identifier is displayed with normal font	22		Display "Run AT Command 3"	
USER) size, request IMSI]	00	,	TERMINAL RESPONSE BUT AT	
23 ME → UICC TERMINAL RESPONSE: RUN AT [Command performed successfully, AT COMMAND 3.4.1 [Response containing IMSI]	23	ME → UICC		
COMMAND 3.4.1 Response containing IMSI] 24 UICC → ME PROACTIVE UICC SESSION	24	LIICC → ME		
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: 1

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:

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	$UICC \to ME$	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	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.5.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
7	$UICC \to ME$	PROACTIVE COMMAND	
'		PENDING: RUN AT COMMAND	
		3.5.2	
8	$ME \rightarrow UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: RUN	
40		AT COMMAND 3.5.2	
10	ME (→	Display "Run AT Command 2"	[alpha identifier is displayed with normal font size, request IMSI]
11	$\begin{array}{c} USER)\\ ME \to UICC \end{array}$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
''	WE → OICC	COMMAND 3.5.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	interponde containing interp
		ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
14	$ME \to UICC$	3.5.1 FETCH	
15	$UICC \rightarrow ME$	PROACTIVE COMMAND: RUN	
	OIOO - IVIL	AT COMMAND 3.5.1	
16	$ME \left(ightarrow ight.$	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
10	LUCC ME	COMMAND 3.5.1	Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 /	PENDING: RUN AT COMMAND	
		3.5.3	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN	
22	ME / S	AT COMMAND 3.5.3 Display "Run AT Command 3"	[alpha identifier is displayed with normal font
	ME ($ ightarrow$ USER)	Display Kull AT Collillatio 3	size, request IMSI]
23	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
	, , 5.56	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	80	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

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:

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)	Display Rull AT Command T	request IMSI]
5	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
	, 5.55	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	
8	ME LUCC	3.6.2 FETCH	
9	$ME \rightarrow UICC$ $UICC \rightarrow ME$	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
		COMMAND 3.6.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
13	LUCC ME	PROACTIVE COMMAND	
13	$UICC \to ME$	PENDING: RUN AT COMMAND	
		3.6.1	
14	$ME \rightarrow UICC$	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,
4.7	USER)	TEDMINIAL DECDONCE, DUNIAT	request IMSI]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.6.1	[Command performed successfully, AT Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION	
'0	OIOO / WIL	ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.6.3	
20	ME → UICC	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN	
22	ME (→	AT COMMAND 3.6.3 Display "Run AT Command 3"	[alpha identifier is displayed with bold off,
	USER)	Display Rull AT Command 3	request IMSI]
23	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
	, 5.55	COMMAND 3.6.1	Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.6.1

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 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-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 3.6.3

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 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:

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	
	NAT 11100	3.7.1	
2	ME → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.7.1	
4	ME (→	Display "Run AT Command 1"	[alpha identifier is displayed with italic on,
	USER)	Biopiay Rail Al Command 1	request IMSI]
5	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.7.1	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 → UICC	FETCH	
9	UICC → ME	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.7.2	
10	$ME \left(ightarrow ight.$	Display "Run AT Command 2"	[alpha identifier is displayed with italic off,
	USER)		request IMSI]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
12	$UICC \to ME$	COMMAND 3.7.1 PROACTIVE UICC SESSION	Response containing IMSI]
12		ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
		3.7.1	
14	ME → UICC	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: RUN AT COMMAND 3.7.1	
16	ME (→	Display "Run AT Command 1"	[alpha identifier is displayed with italic on,
	USER)	Display Harry Command	request IMSI]
17	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.7.1	Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION	
40	LUCO ME	ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND	
		3.7.3	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.7.3	
22	ME (→	Display "Run AT Command 3"	[alpha identifier is displayed with italic off,
22	USER)	TEDMINIAL DESPONSE, DUN AT	request IMSI]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.7.1	[Command performed successfully, AT Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION	Tresponse containing inviori
	JIGG / WIL	ENDED	

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: 1

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 3.7.1

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	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	
	ME IIIOO	3.8.1	
2 3	ME → UICC	FETCH PROACTIVE COMMAND: RUN	
3	$UICC \to ME$	AT COMMAND 3.8.1	
4	$ME \left(\to \right.$	Display "Run AT Command 1"	[alpha identifier is displayed with underline on,
	USER)		request IMSI]
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.8.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
7	LUCO ME	ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND	
		3.8.2	
8	$ME \rightarrow UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.8.2	
10	ME (→	Display "Run AT Command 2"	[alpha identifier is displayed with underline off,
11	USER)	TERMINIAL DESPONSE, DUNIAT	request IMSI] [Command performed successfully, AT
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT COMMAND 3.8.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	intesponse containing intoly
'-	0.00 / 1.1.2	ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
1 44	ME IIIOO	3.8.1	
14 15	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND: RUN	
13	UICC → IVIE	AT COMMAND 3.8.1	
16	$ME \left(\to \right.$	Display "Run AT Command 1"	[alpha identifier is displayed with underline on,
	USER)		request IMSI]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.8.1	Response containing IMSI]
18	$UICC \to ME$	PROACTIVE UICC SESSION	
19	$UICC \to ME$	PROACTIVE COMMAND	
19		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 (→	Display "Run AT Command 3"	[alpha identifier is displayed with underline off,
23	USER)	TERMINAL RESPONSE: RUN AT	request IMSI] [Command performed successfully, AT
23	$ME \rightarrow UICC$	COMMAND 3.8.1	Response containing IMSI]
24	$UICC \to ME$	PROACTIVE UICC SESSION	ntosponos somaning mor
	· · · · · · · · · · · · · · · · · ·	ENDED	

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.8.1

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 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:

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	
		3.9.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: RUN	
4	N45 / .	AT COMMAND 3.9.1 Display "Run AT Command 1"	[alpha identifier is displayed with strikethrough
4	ME (→ USER)	Display Run AT Command I	on, request IMSI]
5	ME → UICC	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
	WIE 70100	COMMAND 3.9.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	3 - 1
		ENDED	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: RUN AT COMMAND	
	.45	3.9.2	
8 9	ME → UICC	FETCH PROACTIVE COMMAND: RUN	
9	$UICC \to ME$	AT COMMAND 3.9.2	
10	ME (→	Display "Run AT Command 2"	[alpha identifier is displayed with strikethrough
	USER)		off, request IMSI]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
		COMMAND 3.9.1	Response containing IMSI]
12	$UICC \to ME$	PROACTIVE UICC SESSION	
40		ENDED	
13	$UICC \to ME$	PROACTIVE COMMAND PENDING: RUN AT COMMAND	
		3.9.1	
14	ME → UICC	FETCH	
15	UICC → ME	PROACTIVE COMMAND: RUN	
		AT COMMAND 3.9.1	
16	$ME \left(ightarrow ight.$	Display " Run AT Command 1"	[alpha identifier is displayed with strikethrough
	USER)		on, request IMSI]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
18	$UICC \to ME$	COMMAND 3.9.1	Response containing IMSI]
10		PROACTIVE UICC SESSION ENDED	
19	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 /	PENDING: RUN AT COMMAND	
		3.9.3	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RUN	
20	NAF (AT COMMAND 3.9.3	Talaba idantifian ia diaplacad with attitude and
22	ME (→ USER)	Display "Run AT Command 3"	[alpha identifier is displayed with strikethrough off, request IMSI]
23	$ME \rightarrow UICC$	TERMINAL RESPONSE: RUN AT	[Command performed successfully, AT
23	INIE -> DICC	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	08	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	IIIL / 0.00	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
	11100 145	COMMAND 3.10.1	Response containing IMSI]
6	$UICC \to ME$	PROACTIVE UICC SESSION	
7	UICC → ME	PROACTIVE COMMAND	
'	OICC → IVIE	PENDING: RUN AT COMMAND	
		3.10.2	
8	ME → UICC	FETCH	
9		PROACTIVE COMMAND: RUN	
	OIOO / IVIL	AT COMMAND 3.10.2	
10	ME (→	Display "Run AT Command 2"	[alpha identifier is displayed with ME"s default
	USER)		foreground and background colour, request
	00=::,		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: 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 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
<u></u>	Α9	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	$User \rightarrow ME$	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 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	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20%
10	$ME \rightarrow USS$	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: 1

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: UICC
Destination device: Network
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:

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 8	82 81 83 01 00
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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	
_		PENDING: SEND DTMF 1.2.1	
5	/ 0.00	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND	
7	ME LIGED	DTMF 1.2.1	Alpha identifier
/	$ME \rightarrow USER$	Display "Send DTMF" Do not locally generate audible	Alpha identifier
		DTMF tones and play them to the	
		user.	
8	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
9	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
10	ME → 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 → USS	Start DTMF 1.10	["0"]
18	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
-	, 5.50	DTMF 1.1.1	
19	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
20	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 1.2.1

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"
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)

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 1.3.1	
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.	
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 30 seconds ±20%
10	$ME \to USS$	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 1.1.1	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	$User \to ME$	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	$UICC \to ME$	PROACTIVE COMMAND	[Mobile is not in a speech call]
		PENDING: SEND DTMF 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[ME currently unable to process command,
			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)

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	LUCO ME	message from the USS. PROACTIVE COMMAND	
4	$UICC \to ME$	PENDING: SEND DTMF 2.1.1	
5	$ME \rightarrow UICC$		
6		PROACTIVE COMMAND: SEND	[BASIC-ICON, self-explanatory]
	OIOO - IVIL	DTMF 2.1.1	[Entere reent, sen explanatory]
7	$ME \rightarrow USER$	Display the BASIC-ICON	
		Do not locally generate audible	
		DTMF tones and play them to the	
		user.	
8	, 000	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20%
10	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
40		DTMF 2.1.1A	
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
13	User \rightarrow ME	End the call	
13	OSEI → IVIE	Life tall	

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

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

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	
5	ME LUCC	PENDING: SEND DTMF 2.1.1	
_	ME → UICC		IDACIC ICON, celf everleneter i
6	OICC → ME	PROACTIVE COMMAND: SEND DTMF 2.1.1	[BASIC-ICON, self-explanatory]
7	ME LIGED	Display "Basic Icon" without the	
,	IVIE → USEK	licon	
		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	$ME \rightarrow USS$	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)

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	
	OICC → IVIE	PENDING: SEND DTMF 2.2.1	
5	$ME \to UICC$		
6		PROACTIVE COMMAND: SEND	[COLOUR-ICON]
		DTMF 2.2.1	
7	$ME \to USER$	Display the COLOUR-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 / 000	July 2 min 111	No DTMF sending for 3 seconds ±20%
10	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 2.1.1A	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
10		ENDED	
13	User \rightarrow 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:

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

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 → ME	message from the USS. PROACTIVE COMMAND	
_		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	$ME \rightarrow USER$	1. ' '	
		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	11.12	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$		[Command performed successfully, but
40		DTMF 2.1.1B	requested icon could not be displayed]
12	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
13	$User \to ME$	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	
4		message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 2.3.1	
5	ME → UICC		
6		PROACTIVE COMMAND: SEND	[Alpha identifier & BACIC ICON not calf
0	OICC → ME	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.	
8	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20 %
10	/ 000	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 \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 2.3.1	
5	$ME \rightarrow UICC$		
6	$UICC \to ME$	PROACTIVE COMMAND: SEND	[Alpha identifier & BASIC-ICON, not self-
_		DTMF 2.3.1	explanatory]
7	$ME \rightarrow USER$	Display "Send DTMF" without the	
		icon	
		Do not locally generate audible	
		DTMF tones and play them to the	
8	ME LICC	user. Start DTMF 1.1	ר"4 "]
_	ME → USS	Start DTIVIE 1.1	["1"]
_		Start DTME 1.2	
_	,		
1.1	IVIE → UICC		
12	LUCC ME		requested icon could not be displayed]
12			
13	lleer \ME	—· · — — —	
9 10 11 12 13	$ME \rightarrow UICC$ $UICC \rightarrow ME$	Start DTMF 1.2 TERMINAL RESPONSE: SEND DTMF 2.1.1B PROACTIVE UICC SESSION ENDED End the call	No DTMF sending for 3 seconds ±20% ["2"] [Command performed successfully, but requested icon could not be displayed]

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	$DICC \to ME$	PROACTIVE COMMAND	
_	ME 11100	PENDING: SEND DTMF 3.1.1	
5	$ME \rightarrow UICC$		
6	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 3.1.1	
7	$ME \rightarrow USER$	Display "ЗДРАВСТВУЙТЕ"	["Hello" in Russian]
8	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
9	ME		No DTMF sending for 3 seconds ±20%
10	$ME \rightarrow USS$	Start DTMF 1.2	["2"]
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[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"

Coding:

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:

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 message from the USS.	
4	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.1.1	
5	$ME \to UICC$	FETCH	
6	UICC → ME	PROACTIVE COMMAND: SEND	
		DTMF 4.1.1	
7	ME → USER	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with 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 DTMF 4.1.1	[Command performed successfully]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20	$User \to ME$	End the call	
21		Set up a call to "+0123456789"	
22	User → ME	· · · · · · · · · · · · · · · · · · ·	
	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 4.1.2	
25	$ME \rightarrow UICC$	FETCH	
26	UICC → 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	$ME \rightarrow USS$	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 → USS	Start DTMF 1.6	["6"]
34	ME → 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"]
38	ME → USS		
30	$ME \rightarrow UICC$	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

Coding:

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	$ME \to USS$	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 4.2.1	
5	$ME \to UICC$	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	$ME \to USS$	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	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
17	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
18	ME → UICC	TERMINAL RESPONSE: SEND DTMF 4.2.1	[Command performed successfully]
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 → USS	The ME attempts to set up a call to	
23	USS → ME	"+0123456789" The ME receives the CONNECT	
20	000 → IVIL	message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.2.2	
25	$ME \to UICC$	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	$ME \to USS$	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 → 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

Coding:

BER-TL\	' : 8	31	03	01	14	00	82	02	82	81	83	01	00	l
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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	$ME \to USS$	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 4.3.1	
5	$ME \to UICC$	FETCH	
6	UICC → ME	PROACTIVE COMMAND: SEND	
		DTMF 4.3.1	
7	ME → USER	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with right 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	$ME \to USS$	Start DTMF 1.6	["6"]
14	$ME \to USS$	Start DTMF 1.7	["7"]
15	$ME \to USS$	Start DTMF 1.8	["8"]
16	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
17	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
18	ME → UICC	TERMINAL RESPONSE: SEND DTMF 4.3.1	[Command performed successfully]
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 → USS	The ME attempts to set up a call to	
23	USS → ME	"+0123456789" The ME receives the CONNECT	
23		message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.3.2	
25	$ME \rightarrow UICC$	FETCH 4.3.2	
26	UICC → ME	PROACTIVE COMMAND: SEND DTMF 4.3.2	
27	$ME \to USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the	[Message shall be formatted without right alignment. Remark: If right alignment is the ME"s default alignment as declared in table
		user.	A.2/17, no alignment change will take place]
28	$ME \rightarrow USS$	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	$ME \to USS$	Start DTMF 1.8	["8"]
36	$ME \to USS$	Start DTMF 1.9	["9"]
37	$ME \to USS$	Start DTMF 1.10	["0"]
38	$ME \to UICC$	TERMINAL RESPONSE: SEND DTMF 4.3.1	[Command performed successfully]
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
identifier: "Send DTMF 1"

Alpha identifier: "Send 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

Coding:

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

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 SEND DTMF (support of Text Attribute – Large Font Size)

27.22.4.24.4.4.1 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)

Step	Direction	MESSAGE / Action	Comments
1	User → 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 4.4.1	
5	$ME \to UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.4.1	
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 large font size]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \to USS$	Start DTMF 1.2	["2"]
10	$ME \to USS$	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 DTMF 4.4.1	[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 → ME	The ME receives the CONNECT message from the USS.	
24	UICC → ME	PROACTIVE COMMAND PENDING: SEND DTMF 4.4.2	
25	ME → UICC	FETCH	
26	UICC → ME	PROACTIVE COMMAND: SEND DTMF 4.4.2	[Alaka identifier in disaloued with assess fout
27	ME → 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	$ME \to USS$	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	$ME \to USS$	Start DTMF 1.8	["8"]
36	$ME \to USS$	Start DTMF 1.9	["9"]
37	$ME \to USS$	Start DTMF 1.10	["0"]
38	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DTMF 4.4.1	[Command performed successfully]
39	UICC → ME	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 "+0123456789"	
43	USS → ME	The ME receives the CONNECT message from the USS.	
44	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.4.1	

45	$ME \to UICC$	FETCH	
46	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.4.1	
47	$ME \to USER$		[Alpha identifier is displayed with large font
		Do not locally generate audible	size]
		DTMF tones and play them to the	
40		user.	50.4.03
48	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
49	ME → USS	Start DTMF 1.2	["2"]
50	ME → USS	Start DTMF 1.3	["3"]
51	ME → USS	Start DTMF 1.4	["4"]
52	ME → USS	Start DTMF 1.6	["5"]
53 54	ME → USS	Start DTMF 1.6 Start DTMF 1.7	["6"]
55	ME → USS	Start DTMF 1.7	["7"] ["8"]
56	$\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$	Start DTMF 1.9	["9"]
57	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
58	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
30	WIL → OICC	DTMF 4.4.1	[Command performed successibility]
59	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
60	$User \to ME$	End the call	
61	$User \to ME$	Set up a call to "+0123456789"	
62	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
64	$UICC \to ME$	message from the USS. PROACTIVE COMMAND	
04	OICC → IVIE	PENDING: SEND DTMF 4.4.3	
65	$ME \rightarrow UICC$	FETCH	
66	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
	0.00 /	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	
00	ME LIGO	USEr.	F! 4 3
68	ME → USS	Start DTMF 1.1	["1"] ["2"]
69 70	ME → USS	Start DTMF 1.2 Start DTMF 1.3	[2]
71	$\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$	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 → USS	Start DTMF 1.9	["9"]
77	ME → USS	Start DTMF 1.10	["0"]
78	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
	, 5.50	DTMF 4.4.1	, , , , , , , , , , , , , , , , , , , ,
79	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
80	$User \to ME$	End the call	

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"

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 4.4.1

Logically:

Command details

Command number:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

ĺ	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	$ME \to USS$	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	ME → USS	Start DTMF 1.8	["8"]
16	ME → USS	Start DTMF 1.9	["9"]
17	ME → USS	Start DTMF 1.10	["0"]
18	ME → UICC	TERMINAL RESPONSE: SEND DTMF 4.5.1	[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 4.5.2	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.5.2	
27	ME → 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	$ME \to USS$	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	$ME \to USS$	Start DTMF 1.8	["8"]
36	$ME \to USS$	Start DTMF 1.9	["9"]
37	$ME \to USS$	Start DTMF 1.10	["0"]
38	$ME \to UICC$	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	$User \to ME$	Set up a call to "+0123456789"	
42	$ME \rightarrow USS$	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	$ME \rightarrow UICC$	 FETCH	
46		PROACTIVE COMMAND: SEND	
		DTMF 4.5.1	
47	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with small font
		Do not locally generate audible	size]
		DTMF tones and play them to the	
40		user.	50.4.03
48	ME → USS	Start DTMF 1.1	["1"]
49	ME → USS	Start DTMF 1.2	["2"]
50	ME → USS	Start DTMF 1.3	["3"]
51	ME → USS	Start DTMF 1.4	["4"]
52	ME → USS	Start DTMF 1.6	["5"]
53 54	ME → USS	Start DTMF 1.6 Start DTMF 1.7	["6"]
55	ME → USS	Start DTMF 1.7	["7"] ["8"]
56	$\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$	Start DTMF 1.9	["9"]
57	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
58	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
30	IVIL -> OICC	DTMF 4.5.1	[Confinant performed successfully]
59	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
60	$User \to ME$	End the call	
61	$User \to ME$	Set up a call to "+0123456789"	
62	$ME \to USS$	The ME attempts to set up a call to	
		"+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
64	$UICC \to ME$	message from the USS. PROACTIVE COMMAND	
04	OICC → IVIE	PENDING: SEND DTMF 4.5.3	
65	$ME \rightarrow UICC$	FETCH 1.0.10	
66	UICC → 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	
60	ME LICC	user. Start DTMF 1.1	["4"]
68	ME → USS		["1"] ["2"]
69 70	ME → USS	Start DTMF 1.2 Start DTMF 1.3	["3"]
71	$\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$	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	$ME \rightarrow USS$	Start DTMF 1.9	["9"]
77	ME → USS	Start DTMF 1.10	["0"]
78	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.5.1	
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
identifier: "Send DTMF 2"

Alpha identifier: "S 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	
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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	$User \rightarrow ME$	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 4.6.1	
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 bold on]
		DTMF tones and play them to the user.	
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	ME → USS	Start DTMF 1.2	["2"]
10	ME → USS	Start DTMF 1.3	["3"]
11	ME → USS	Start DTMF 1.4	["4"]
12	ME → USS	Start DTMF 1.5	["5"]
13	ME → USS	Start DTMF 1.6	["6"]
14	ME → USS	Start DTMF 1.7	["7"]
15	ME → USS	Start DTMF 1.8	["8"]
16	ME → USS	Start DTMF 1.9	["9"]
17	ME → 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 \rightarrow ME	End the call	
21	User → 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 4.6.2	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.6.2	
27	$ME \rightarrow USER$	Display "Send DTMF" Do not locally generate audible	[Alpha identifier is displayed with bold off]
		DTMF tones and play them to the user.	
28	$ME \rightarrow USS$	Start DTMF 1.1	["1"]
29	ME → 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	$ME \to USS$	Start DTMF 1.5	["5"]
33	$ME \rightarrow USS$	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 DTMF 4.6.1	[Command performed successfully]
39	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
40	$User \rightarrow ME$	End the call	
41	$User \rightarrow ME$	Set up a call to "+0123456789"	
42	$ME \rightarrow USS$	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 4.6.1	

45	$ME \to UICC$	FETCH	
46	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.6.1	
47	$ME \to USER$		[Alpha identifier is displayed with bold on]
		Do not locally generate audible	
		DTMF tones and play them to the	
40	ME LICC	USEr.	["4"]
48 49	ME → USS	Start DTMF 1.1 Start DTMF 1.2	["1"] ["2"]
50	$\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$	Start DTMF 1.2	["3"]
51	$ME \rightarrow USS$	Start DTMF 1.4	[3]
52	$ME \rightarrow USS$	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 → USS	Start DTMF 1.8	["8"]
56	ME → USS	Start DTMF 1.9	["9"]
57	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
58	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
		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	$ME \rightarrow USS$	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	
	0.00 /	PENDING: SEND DTMF 4.6.3	
65	$ME \rightarrow UICC$	FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.6.3	
67	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with bold off]
		Do not locally generate audible DTMF tones and play them to the	
		user.	
68	$ME \to USS$	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	$ME \to USS$	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]
79	$UICC \to ME$	DTMF 4.6.1 PROACTIVE UICC SESSION	
19	UICC → IVIE	ENDED	
80	$User \to ME$	End the call	
	300. / IIIL		

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"

DTMF String: 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 4.6.3

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:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

ĺ	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	$User \rightarrow ME$	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 4.7.1	
5	$ME \rightarrow UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.7.1	
7	ME → USER	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with italic on]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \to USS$	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 → 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 → USS	Start DTMF 1.9	["9"]
17	ME → USS	Start DTMF 1.10	["0"]
18	ME → 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	$User \to ME$	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	/ 0.00	FETCH	
26	UICC → 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 user.	[Alpha identifier is displayed with italic off]
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	$ME \to USS$	Start DTMF 1.10	["0"]
38	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DTMF 4.7.1	[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	$ME \rightarrow USS$	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 4.7.1	

45	$ME \rightarrow UICC$	FETCH	
46	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.7.1	
47	$ME \rightarrow USER$		[Alpha identifier is displayed with italic on]
		Do not locally generate audible	
		DTMF tones and play them to the	
40	ME LICC	USEr.	ן ווא ווז
48 49	ME → USS	Start DTMF 1.1 Start DTMF 1.2	["1"] ["2"]
50	$\begin{array}{c} ME \to USS \\ ME \to USS \end{array}$	Start DTMF 1.2	["3"]
51	$ME \rightarrow USS$	Start DTMF 1.4	[3]
52	$ME \rightarrow USS$	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 → USS	Start DTMF 1.8	["8"]
56	ME → USS	Start DTMF 1.9	["9"]
57	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
58	ME → UICC	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.7.1	. , , , , , , , , , , , , , , , , , , ,
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	
03		message from the USS.	
64	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 /	PENDING: SEND DTMF 4.7.3	
65	$ME \rightarrow UICC$	FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.7.3	
67	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with italic off]
		Do not locally generate audible 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	$ME \rightarrow USS$	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 DTMF 4.7.1	[Command performed successfully]
79	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
80	$User \to ME$	End the 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:

Command type: SEND DTMF

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TL	V: 81	03	01	14	00	82	02	82	81	83	01	00	1
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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)

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 4.8.1	
5	ME → UICC	FETCH	
6	UICC → ME	PROACTIVE COMMAND: SEND DTMF 4.8.1	
7	$ME \rightarrow USER$	Display "Send DTMF" Do not locally generate audible	[Alpha identifier is displayed with underline on]
		DTMF tones and play them to the user.	
8	$ME \rightarrow USS$	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 DTMF 4.8.1	[Command performed successfully]
19	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
20	$User \rightarrow ME$	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 4.8.2	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.8.2	
27	$ME \rightarrow USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the	[Alpha identifier is displayed with underline off]
		user.	
28	$ME \rightarrow USS$	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 DTMF 4.8.1	[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 4.8.1	

45	$ME \to UICC$	leetch	l I
46	$VICC \rightarrow ME$	PROACTIVE COMMAND: SEND	
70	OICC - IVIL	DTMF 4.8.1	
47	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with underline
	WE 7 COLIC	Do not locally generate audible	on]
		DTMF tones and play them to the	1
		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]
50		DTMF 4.8.1	
59	$UICC \to ME$	PROACTIVE UICC SESSION	
60	$User \to ME$	ENDED 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	IVIL -> 033	"+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
64	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.8.3	
65		FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND 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	
1		user.	
68	$ME \to USS$	Start DTMF 1.1	["1"]
69	$ME \to USS$	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 70	ME → USS	Start DTMF 1.8	["8"]
76 77	ME → USS	Start DTMF 1.9	["9"]
77	ME → USS	Start DTMF 1.10	["0"]
78	$ME \to UICC$	TERMINAL RESPONSE: SEND DTMF 4.8.1	[Command performed successfully]
79	$UICC \to ME$	PROACTIVE UICC SESSION	
19	UICC → IVIE	ENDED	
80	$User \to ME$	End the call	
	/ -		1

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"

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:

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)

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 4.9.1	
5	$ME \to UICC$	FETCH	
6	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.9.1	
7	$ME \to USER$	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with strikethrough on]
8	$ME \to USS$	Start DTMF 1.1	["1"]
9	$ME \to USS$	Start DTMF 1.2	["2"]
10	$ME \rightarrow USS$	Start DTMF 1.3	["3"]
11	$ME \to USS$	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 DTMF 4.9.1	[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	$ME \rightarrow USS$	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 4.9.2	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.9.2	
27	ME → USER	Display "Send DTMF" Do not locally generate audible DTMF tones and play them to the user.	[Alpha identifier is displayed with strikethrough off]
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	$ME \to USS$	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 → UICC	TERMINAL RESPONSE: SEND DTMF 4.9.1	[Command performed successfully]
39	UICC → ME	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 "+0123456789"	
43	USS → ME	The ME receives the CONNECT message from the USS.	
44	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DTMF 4.9.1	

45	$ME \rightarrow UICC$	FETCH	
46	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.9.1	
47	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with strikethrough
		Do not locally generate audible DTMF tones and play them to the	on]
		user.	
48	$ME \to USS$	Start DTMF 1.1	["1"]
49	ME → USS	Start DTMF 1.2	["2"]
50	ME → USS	Start DTMF 1.3	["3"]
51	$ME \rightarrow USS$	Start DTMF 1.4	["4"]
52	$ME \rightarrow USS$	Start DTMF 1.5	["5"]
53	$ME \to USS$	Start DTMF 1.6	["6"]
54	$ME \to USS$	Start DTMF 1.7	["7"]
55	$ME \rightarrow USS$	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 4.9.1	
59	$UICC \to ME$	PROACTIVE UICC SESSION	
60	User → ME	ENDED 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	IVIL -> 000	"+0123456789"	
63	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
64	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.9.3	
65	ME → UICC	FETCH	
66	$UICC \to ME$	PROACTIVE COMMAND: SEND DTMF 4.9.3	
67	$ME \rightarrow USER$	Display "Send DTMF"	[Alpha identifier is displayed with strikethrough
		Do not locally generate audible	off]
		DTMF tones and play them to the	
60	$ME \to USS$	user. Start DTMF 1.1	["1"]
68 69	$ME \rightarrow USS$	Start DTMF 1.1	["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	$ME \rightarrow USS$	Start DTMF 1.10	["0"]
78	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 4.9.1	·
79	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
80	User \rightarrow ME	End the 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:

SEND DTMF Command type:

Command qualifier: "00"

Device identities

Source device: **UICC** Destination device: Network "Send DTMF 2"

Alpha identifier: DTMF String: "1234567890"

Text Attribute

Formatting position: 0 Formatting length:

Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Formatting mode:

Strikethrough Off

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:

SEND DTMF Command type:

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 4.9.1

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)

Step	Direction	MESSAGE / Action	Comments
1	User → ME	Set up a call to "+0123456789"	
2	ME → USS	The ME attempts to set up a call to	
-	/ 000	"+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	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DTMF 4.10.1	
7	$ME \to USER$	Display "Send DTMF"	[Alpha identifier is displayed with foreground
		Do not locally generate audible	and background colour according to the text
		DTMF tones and play them to the	attribute configuration]
	ME 1100	USET.	[[] 4] 1
8	ME → USS	Start DTMF 1.1	["1"]
9	ME → USS	Start DTMF 1.2	["2"]
10	ME → USS	Start DTMF 1.3	["3"]
11	ME → USS	Start DTMF 1.4 Start DTMF 1.5	["4"]
12	ME → USS		["5"]
13	ME → USS	Start DTMF 1.6	["6"]
14	ME → USS	Start DTMF 1.7	["7"]
15	ME → USS	Start DTMF 1.8	["8"]
16	ME → USS	Start DTMF 1.9	["9"]
17	ME → USS	Start DTMF 1.10	["0"]
18	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DTMF 4.10.1	[Command performed successfully]
19	$UICC \to ME$	PROACTIVE UICC SESSION	
13	OICC → IVIE	ENDED	
20	$User \to ME$	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	
	/ 000	"+0123456789"	
23	$USS \to ME$	The ME receives the CONNECT	
		message from the USS.	
24	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DTMF 4.10.2	
25	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND	
07		DTMF 4.10.2	[Alaba idautifiania diautauadusith NATIIa dafaut
27	ME → USER	Display "Send DTMF"	[Alpha identifier is displayed with ME"s default
		Do not locally generate audible DTMF tones and play them to the	foreground and background colour]
		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	$ME \rightarrow USS$	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]
		DTMF 4.10.1	,
39	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
40	$User \to ME$	End the call	

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

BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00

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)

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	$UICC \to ME$		
5	$ME \to UICC$	PENDING: SEND DTMF 5.1.1	
6	UICC → ME	PROACTIVE COMMAND: SEND DTMF 5.1.1	
7	$ME \rightarrow USER$	Display "你好"	["Hello" in Chinese]
	NAT 1100	' '	
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]
		DTMF 5.1.1	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	$User \to ME$	End the call	

PROACTIVE COMMAND: SEND DTMF 5.1.1

Logically:

Command details

Command number:

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

	BER-TLV:	81	03	01	14	00	82	02	82	81	83	01	00	ĺ
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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)

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 6.1.1	
5	$ME \rightarrow UICC$	FETCH	
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	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DTMF 6.1.1	
12	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
13	User \rightarrow ME	End the call	

PROACTIVE COMMAND: SEND DTMF 6.1.1

Logically:

Command details

Command number:

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:

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 (as an example)

Note: If a data destination address different to 01.01.01.01 is used then the network

simulator setup and related UE settings might require a corresponding adaptation.

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: 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"

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)

Step	Direction	MESSAGE / Action	Comments
0	ME		[the ME is in idle mode]
1	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER	
		1.2.1	
2	/ 0.00	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to defined URL, "launch browser, if
		LAUNCH BROWSER 1.2.1	not already launched, alpha identifier
4	ME LIGER	No information ob suld be	length=0]
4	ME → USER	No information should be	
5	$USER \to ME$	displayed. The user may have to confirm the	[option: user confirmation]
J J	USER → IVIE	launch browser.	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
	WIE 7 0100	BROWSER 1.2.1	[Command portormed edecectary]
7	ME→USS	The ME attempts to connect the	
		URL specified in the LAUNCH	
		BROWSER command.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	
9	$USER \to ME$	The user verifies that the URL is	
		properly connected.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	

PROACTIVE COMMAND: LAUNCH BROWSER 1.2.1

Logically:

Command details

Command number:

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	ĺ
----------	----	----	----	----	----	----	----	----	----	----	----	----	---

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	11.12 / 0.00	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	$ME \rightarrow USER$	ME may display a default message	
_		of its own.	
5	$USER \to ME$	The user may confirm the launch	[option: user confirmation]
		browser.	10 1 1 1 1 1 1
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
7	ME JUCC	BROWSER 1.3.1	
'	ME→USS	The ME attempts to connect the default URL.	
8	UICC → ME	PROACTIVE UICC SESSION	
	OICC - IVIL	ENDED	
9	USER \rightarrow ME	The user verifies that the default	
	OOLIT / IIIL	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

LV: 81 03 0	15 00 82	02 82 81	83 01 00
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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, the terminal might need to be
			configured with an entry linking the
			Gateway/Proxy Identity in the proactive
			command with the corresponding connectivity
1	$UICC \to ME$	PROACTIVE COMMAND	parameters in the mobile]
' '	OICC → IVIE	PENDING: LAUNCH BROWSER	
		1.4.1	
2	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 1.4.1	if not already launched, 1 bearer specified,
4	$ME \to USER$	ME may display a default message	gateway/proxy id specified]
5		The user may confirm the launch	[option: user confirmation]
	OSLIN → IVIL	browser.	[option: user committation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 1.4.1	
7	$ME \rightarrow USS$	The ME attempts to connect the	
		default URL using the requested	
8	$UICC \to ME$	bearer and proxy identity PROACTIVE UICC SESSION	
	OICC → IVIE	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:

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.jkl (different from the default IP address)

Coding::

BER-TLV:	D0	20	81	03	01	15	00	82	02	81	82	31
	00	32	01	03	0D	10	04	61	62	63	2E	64
	65	66	2F	67	68	69	2F	6A	6B	6C		

TERMINAL RESPONSE: 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: 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, clause 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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

27.22.4.26.2.4.2 Procedure

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

Step	Direction	MESSAGE / Action	Comments
0	ME	The user is navigating in a browser	[Browser is in use, the current session is not
1	$UICC \to ME$	session (not default URL). PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.1.1	secured]
2	$ME \rightarrow UICC$	FETCH	
3		PROACTIVE COMMAND: LAUNCH BROWSER 2.1.1	[connect to the default URL, "use the existing browser", no null alpha id.]
4	$ME \to USER$	ME displays the alpha identifier	
5	$USER \to ME$	The user confirms the launch	[user confirmation]
6	$ME \to UICC$	browser. TERMINAL RESPONSE: LAUNCH BROWSER 2.1.1	[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 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	The user is navigating in a browser session (not default URL)	[Browser is in use, the current session is not secured]
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 2.2.1	·
2	$ME \to UICC$	FETCH	
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	$ME \to USER$	ME displays the alpha identifier	
5	$USER \to ME$	The user confirms the launch browser.	[user confirmation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 2.2.1	[Command performed successfully]
7	ME→USS	The ME closes the existing session and attempts to launch the session with the default browser parameters and the default URL.	[The UE has the option of maintaining the currently active PDP Context]
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default URL is connected.	
		Then he/she ends the navigation.	

PROACTIVE COMMAND: LAUNCH BROWSER 2.2.1

Logically:

Command details

Command number: 1

Command type: LAUNCH BROWSER

Command qualifier: close the existing browser session and launch new browser session

Device identities

Source device: 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
DLIX-ILV.	01	00	UI	10	00	02	02	02	01	00	O I	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 → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
			if not already launched]
4	$ME \rightarrow UICC$		[ME unable to process command - browser
_		BROWSER 2.3.1	unavailable]
5	$UICC \to ME$	PROACTIVE UICC SESSION	
6	USER → ME	ENDED The user verifies that the default	
	OOLIN → IVIL	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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

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	$UICC \to ME$	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	$ME \to UICC$	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:

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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

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	$ME \rightarrow USS$	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:

 $\begin{array}{ll} \text{Icon qualifier:} & \text{not self-explanatory} \\ \text{Icon identifier:} & \text{record 1 in } EF_{\text{(IMG)}} \\ \end{array}$

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
		LAUNCH BROWSER 4.1.1	browser", no null alpha id.]
4	$ME \to USER$	ME displays the alpha identifier	["Not self explan."]
		Without the icon	
5	$USER \to ME$	The user confirms the launch	[user confirmation]
		browser.	
6	$ME \rightarrow UICC$		[Command performed successfully but
		BROWSER 4.1.1 B	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-TI	V:	81	03	01	15	02	82	02	82	81	83	01	04	
--------	----	----	----	----	----	----	----	----	----	----	----	----	----	--

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	$ME \rightarrow UICC$	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	
		the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
	HOED ME	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.	
		with the delauit ORL.	

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
Identifier "Self explan."

Alpha Identifier Icon identifier:

 $\begin{tabular}{ll} Icon qualifier: & self-explanatory \\ Icon identifier: & record 1 in EF_{(IMG)} \end{tabular}$

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	6F	2F	1F	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
		PENDING: LAUNCH BROWSER	secured]]
0		4.2.1	
2	, 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	$ME \rightarrow USER$	ME displays only the alpha	["Self explan."]
_		identifier	
5	$USER \to ME$	The user confirms the launch	[user confirmation]
6	ME LUCC	browser.	[Command performed augeocafully]
0	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 4.2.1 B	Command performed successfully but
		BROWSER 4.2.1 B	requested icon could not be displayed]
7	ME→USS	The ME does not close the existing	requested feori could not be displayed
'	IVIL->000	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 4.2.1 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 Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

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	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.1.1	if not already launched", no null alpha id]
4	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with left
5	$USER \to ME$	The user may have to confirm the	alignment] [option: user confirmation]
J	USER → IVIE	launch browser.	
6	$ME \rightarrow UICC$		[Command performed successfully]
	WL 70100	BROWSER 5.1.1	
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	
10	OICC -> IVIL	PENDING: LAUNCH BROWSER	
		5.1.2	
11	$ME \to UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.1.2	if not already launched", no null alpha id]
13	$ME \to USER$	ME displays the alpha identifier	[Message shall be formatted without left
			alignment. Remark: If left alignment is the
			ME"s default alignment as declared in table
14	LICED . ME	The upon may have to confirm the	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	$ME \rightarrow UICC$		[Command performed successfully]
13	IVIL -> UICC	BROWSER 5.1.1	
16	$ME \to USS$	The ME attempts to launch the	
	/ 000	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

Coding:

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, 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.

27.22.4.26.5.2.3 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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
4	ME LIGED	LAUNCH BROWSER 5.2.1	if not already launched", no null alpha id
4	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with center alignment]
5	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
	OOLIN IVIL	launch browser.	[option: door committation]
6	$ME \to UICC$		[Command performed successfully]
	/ 0.00	BROWSER 5.2.1	[,]
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	
		Wap session is properly established.	
		Then he/she ends the navigation.	
		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 /	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]
	OOLIK / WIL	launch browser.	[option: door committation]
15	$ME \to UICC$		[Command performed successfully]
		BROWSER 5.2.1	, , ,
16	$ME \to USS$	The ME attempts to launch the	
		session with the default Wap	
1		parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION	
18	LICED ME	ENDED The user verifies that the default	
10	$USER \to ME$	Wap session is properly	
1		lestablished.	
		Then he/she ends the navigation.	
1		The ME returns in idle mode.	

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:

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

Coding:

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, 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.

27.22.4.26.5.3.3 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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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: LAUNCH BROWSER 5.3.1	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
4	$ME \to USER$	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.	
10	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.3.2	
11	$ME \to UICC$	FETCH	
12	$UICC \to ME$	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

Coding:

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 8.49, 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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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	$UICC \to ME$	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	$ME \to UICC$		[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	$ME \rightarrow UICC$	5.4.2 FETCH	
12	$UICC \rightarrow ME$	PROACTIVE COMMAND:	connect to the default URL, "launch browser,
13	ME → USER	LAUNCH BROWSER 5.4.2 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	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.4.1	[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.	
19	$UICC \to ME$	The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.4.1	
20	$ME \to UICC$	FETCH	
21	$UICC \rightarrow ME$	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	$ME \to UICC$		[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 5.4.3	
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	$ME \rightarrow USER$	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 5.4.1	[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 5.4.1

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: 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 5.4.1

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
DEIX IEV.	0.	00	0.		00	02	02	02	0.	00	0.	00

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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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
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 5.5.1	[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 5.5.2	
11	$ME \rightarrow UICC$	FETCH	
12		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	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1	[Command performed successfully]
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 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 5.5.1	
20	$ME \to UICC$	FETCH	
21		PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
22	$ME \to USER$	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]
23	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
24	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.5.1	[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 5.5.3	
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	$ME \to USER$	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 5.5.1	[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 5.5.1

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

 $\begin{array}{cc} \text{Destination device:} & \text{ME} \\ \text{URL} & \text{empty} \\ \text{Alpha Identifier} & \text{"Default URL 2"} \end{array}$

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	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:

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
DEIX IEV.	0.	00	0.		00	02	02	02	0.	00	0.	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 8.47, 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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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 5.6.1	
2	$ME \to UICC$	FETCH	
3	$UICC \rightarrow ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
	0100 7 WE	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]
	ME IIIOO	launch browser.	IO-managed and another and a constant of the d
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.6.1	[Command performed successfully]
7	ME→USS	The ME attempts to launch the	
	WE 7000	session with the default Wap	
		parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION	
9	LICED . ME	ENDED The user verifies that the default	
9	USER → ME	Wap session is properly	
		established.	
		Then he/she ends the navigation.	
4.0		The ME returns in idle mode.	
10	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: LAUNCH BROWSER 5.6.2	
11	$ME \to UICC$	FETCH	
12		PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.6.2	if not already launched", no null alpha id]
13		ME displays the alpha identifier	[alpha identifier is displayed with bold 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]
	WE 7 0100	BROWSER 5.6.1	[command performed desceeding]
16	$ME \to USS$	The ME attempts to launch the	
		session with the default Wap	
17	$UICC \to ME$	parameters and the default URL. PROACTIVE UICC SESSION	
17	UICC → 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	
	0.00 / W.E	PENDING: LAUNCH BROWSER	
		5.6.1	
20	ME → UICC	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.6.1	[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 bold on]
23	USER → ME	The user may have to confirm the	[option: user confirmation]
	22 <u>-</u> / III	launch browser.	
24	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
25	MEHLOO	BROWSER 5.6.1	
25	ME□USS	The ME attempts to launch the session with the default Wap	
		parameters and the default URL.	
26	$UICC \to ME$	PROACTIVE UICC SESSION	
		ENDED	

2	7	$USER \to ME$	The user verifies that the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode.	
28	8	$UICC \to ME$	PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.6.3	
29	9	$ME \rightarrow UICC$	FETCH	
30	0		PROACTIVE COMMAND: LAUNCH BROWSER 5.6.3	[connect to the default URL, "launch browser, if not already launched", no null alpha id]
3	1	$ME \to USER$	ME displays the alpha identifier	[alpha identifier is displayed with bold off]
32	2	$USER \to ME$	The user may have to confirm the launch browser.	[option: user confirmation]
33	3	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.6.1	[Command performed successfully]
34	4	$ME \to USS$	The ME attempts to launch the session with the default Wap parameters and the default URL.	
3	5	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
30	6	$USER \to ME$	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

Coding:

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

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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	Farancia et ta tha a dafa dt LIDL Warmach harring
3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
4	$ME \rightarrow USER$	LAUNCH BROWSER 5.7.1 ME displays the alpha identifier	if not already launched", no null alpha id] [alpha identifier is displayed with italic on]
5	USER → ME	The user may have to confirm the	[option: user confirmation]
	OOLIN IVIL	launch browser.	[option: docr committation]
6	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 5.7.1	
7	$ME { ightarrow} USS$	The ME attempts to launch the	
		session with the default Wap	
	LUCO ME	parameters and the default URL.	
8	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
9	$USER \to ME$	The user verifies that the default	
	OOLIK / WIL	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 5.7.2	
11	$ME \rightarrow UICC$	FETCH	
12	UICC → ME	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
	0.00 /	LAUNCH BROWSER 5.7.2	if not already launched", no null alpha id]
13	$ME \to USER$	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]
15	ME	launch browser.	[Command norformed augeografully]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.7.1	[Command performed successfully]
16	$ME \to USS$	The ME attempts to launch the	
	, 555	session with the default Wap	
		parameters and the default URL.	
17	$UICC \to ME$	PROACTIVE UICC SESSION	
40		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 LUCC	5.7.1 FETCH	
20 21		PROACTIVE COMMAND:	connect to the default URL, "launch browser,
<u> </u>		LAUNCH BROWSER 5.7.1	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 → ME	The user may have to confirm the	[option: user confirmation]
		launch browser.	
24	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
25	MEHLOO	BROWSER 5.7.1	
25	ME□USS	The ME attempts to launch the session with the default Wap	
		parameters and the default URL.	
26	$UICC \to ME$	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	
		5.7.3	
29	$ME \rightarrow UICC$	FETCH	
30	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.7.3	if not already launched", no null alpha id]
31	$ME \rightarrow USER$	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	$ME \rightarrow UICC$	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	
0.5		parameters and the default URL.	
35	$UICC \to ME$	PROACTIVE UICC SESSION	
36	USER → ME	The user verifies that the default	
00	OOLIN IVIL	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: 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 5.7.3

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

Coding:

BER-TLV: 81 03 01 15 00 82 02 82 81 83 (00	01		81	82	1 02	82	00			03	81	BER-TLV:
--	----	----	--	----	----	------	----	----	--	--	----	----	----------

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 8.49, 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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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)

NE	Step	Direction	MESSAGE / Action	Comments
PENDINS: LAUNCH BROWSER 5.8.1 ME → USCR ME → USCR ME → USCR ME → UCC ME → ME ME → ME ME → UCC ME → ME ME → UCC ME → ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME → UCC ME ME ME → UCC ME ME ME → UCC ME ME ME → UCC ME ME ME ME ME ME ME ME ME ME ME ME ME	0	ME		[the ME is in idle mode]
S.8.1 S.8.1 S.8.1 SETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 Incl already launched", no null alpha id] Incl already launched", no null a	1	$UICC \to ME$		
Second Content to the default URL, "launch browser, the default URL, "launch browser, the launch brow				
LAUNCH BROWSER 5.8.1 ME → USER → ME USER → ME ME displays the alpha identifier The user may have to confirm the launch browser. The ME → USER → ME ME → USER	2	$ME \to UICC$	FETCH	
ME → USER ME displays the alpha identifier Iapha identifier is displayed with underline on Ioption: user confirmation Iopti	3	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
Series Series				
Iaunch browser Iaunch Browser Iau				
TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default Wap the work of t	5	$USER \rightarrow ME$		[option: user confirmation]
BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default Wap parameters and the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PROACTIVE COMMAND PROACTIVE COMMAND LAUNCH BROWSER 5.8.2 ME → UICC → ME HE Gisplays the alpha identifier subscission with the default Wap session is properly established. The ME → UICC → ME PROACTIVE COMMAND PROBLING: LAUNCH BROWSER 5.8.2 ME → USER → ME Gisplays the alpha identifier subscission with the default Wap parameters and the default Wap parameters and the default Wap parameters and the default Wap parameters and the default Wap session is properly established. The ME attempts to launch the session with the default Wap parameters and the default Wap parameters and the default Wap session is properly established. The MF eturns in idle mode. PROACTIVE COMMAND PROACTIVE COMMAND PROBLEM PROBLEM PROACTIVE COMMAND PROBLEM PROACTIVE COMMAND PROBLEM PROACTIVE COMMAND PROBLEM PROACTIVE COMMAND PROBLEM PROBLEM PROACTIVE COMMAND PROBLEM PR	6	$ME \rightarrow UICC$		[Command performed successfully]
session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED 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 PENDING: LAUNCH BROWSER 5.8.2 IME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2 ME displays the alpha identifier The user way have to confirm the launch browser. Session with the default Wap parameters and the default Wap parameters and the default Wap session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME → UICC → ME ARCHIVE COMMAND PROACTIVE UICC SESSION ENDED ME → UICC → ME PROACTIVE UICC SESSION ENDED ME → UICC → ME PROACTIVE COMMAND PAROACTIVE COMMAND			BROWSER 5.8.1	
B	7	$ME \rightarrow USS$		
S				
USER → ME USER → ME The user verifies that the default Way session is properly established. Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.2 ME → UICC → ME ME → USER → ME ME → USER → ME ME → USER ME → UICC	8	$UICC \to ME$		
Wap session is properly established. 10 UICC → ME PROACTIVE COMMAND PROBLEM FIGURE 1 (Connect to the default URL, "launch browser, if not already launched", no null alpha id] 11 ME → UICC ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2 (ME displays the alpha identifier the user may have to confirm the launch browser. 15 ME → UICC ME TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 16 ME → USS ME displays to launch the session with the default Wap parameters and the default WRL. PROACTIVE UICC SESSION ENDED 18 USER → ME UICC The user verifies that the default Wap parameters in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 19 UICC → ME RETCH COMMAND PENDING: LAUNCH BROWSER 5.8.1 20 ME → UICC → ME PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 21 ME → UICC → ME PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 22 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 23 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 24 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 25 ME ∪ UICC → ME TREMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION ENDING: LAUNCH BROWSER 5.8.1		J. J. J. J. J. J. J. J. J. J. J. J. J. J	ENDED	
International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, "launch browser, If not already launched", no null alpha id] International content of the default URL, if not already launched", no null alpha id] International content of the default URL, if not already launched in the default URL, if not already launched in the launch browser, if not already launched in not launch international launch in the launch browser, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in no null alpha id] International content of the default URL, if not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already launched in not already	9	$USER \to ME$		
Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.2 11 ME → UICC → ME 12 UICC → ME 13 ME → USER ME displays the alpha identifier 14 USER → ME 15 ME → UICC 16 ME → UICC 17 TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 18 ME → USS ME → USS ME → USS ME → USS ME → UICC ME 17 UICC → ME 18 USER → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME 21 ME → UICC 22 ME → UICC 23 ME → UICC ME → UICC ME → UICC ME 24 ME → UICC ME → UICC ME 25 ME → UICC ME 16 ME → UICC ME 17 ME → UICC ME 18 USER → ME 18 USER → ME 18 WE → UICC ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 10 ME → UICC ME 10 ME → UICC ME 11 ME → UICC ME 12 ME → UICC ME 13 ME → UICC ME 14 ME → UICC ME 15 ME → UICC ME 16 ME → UICC ME 17 ME → UICC ME 18 ME → UICC ME 19 UICC → ME 19 UICC → ME 10 ME → UICC ME 10 ME → UICC ME 11 ME displays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME → UICC ME 16 ME → UICC ME 17 ME displays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME ∪ UICC ME 17 ME displays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME ∪ UICC ME 17 ME → UICC ME 18 ME → UICC ME 19 ME → UICC ME 19 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10 ME → UICC ME 10				
The ME returns in idle mode. PROACTIVE COMMAND PRONDING: LAUNCH BROWSER 5.8.2 FETCH UICC → ME ME → USER ME → USER ME → UICC → ME ME → UICC ME → UICC → ME ME → UICC ME → UICC ME → UICC → ME ME → UICC M				
PENDING: LAUNCH BROWSER 5.8.2 FETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2 ME → USER ME ⇒ USER ME ⇒ UICC ME → ME ME → UICC ME → UICC → ME ME → UICC ME → UICC → ME ME → UICC ME → UICC → ME ME → UICC ME → UICC → ME ME → UICC M			The ME returns in idle mode.	
5.8.2 FETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.2 If not already launched", no null alpha id] [alpha identifier of the user may have to confirm the launch browser.] [alpha identifier is displayed with underline off] [alpha identi	10	$UICC \to ME$		
11 ME → UICC 12 UICC → ME 13 ME → USER 14 USER → ME 15 ME → UICC 16 ME → UICC 17 ME → UICC 18 ME → UICC 18 ME → UICC 19 ME → UICC 19 ME → UICC 19 ME → UICC 10 ME → UICC 10 ME → UICC 11 ME → UICC 11 ME → UICC 12 ME displays the alpha identifier 15 ME → UICC 16 ME → UICC 17 TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 18 UICC → ME 19 UICC → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME → UICC 21 UICC → ME 23 USER → ME 24 ME → UICC 25 ME □ USC 26 ME □ USC 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 20 ME □ UICC 21 UICC → ME 22 ME → UICC 23 ME → UICC 24 ME → UICC 25 ME □ UICC 26 ME □ UICC 27 ME □ UICC 28 ME → UICC 29 ME → UICC 29 ME → UICC 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME → UICC 23 ME → UICC 24 ME → UICC 25 ME □ UICC 26 ME □ UICC 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME → UICC 21 UICC → ME 21 UICC → ME 22 ME → UICC 23 ME □ UICC 24 ME → UICC 25 ME □ UICC 26 ME □ UICC 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC 21 ME □ UICC 22 ME □ UICC 23 ME □ UICC 24 ME □ UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC 21 UICC → ME 21 ME □ UICC 22 ME □ UICC 23 ME □ UICC 24 ME □ UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC 21 UICC → ME 21 ME □ UICC 22 ME □ UICC 23 ME □ UICC 24 ME □ UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 20 ME □ UICC 20 ME □ UICC 20 ME □ UICC 21 UICC → ME 21 ME □ UICC 22 ME □ UICC 23 ME □ UICC 24 ME □ UICC 25 ME □ UICC 26 UICC → ME 27 ME □ UICC 28 ME □ UICC 29 ME □ UICC 20 ME 20 ME → UICC 20 ME 20 ME → UICC 21 UICC → ME 21 ME → UICC 22 ME 23 ME → UICC 24 ME → UICC 25 ME □ UICC 26 ME 27 ME → UICC 27 ME 28 ME → UICC 29 ME 29 ME → UICC 20 ME 20 ME → UICC 20 ME 20 ME → UICC 21 UICC → ME 20 ME → UICC 21 UICC → ME 21 ME → UICC 22 ME 23 ME → UICC 24 ME 25 ME 26 ME → UICC 26 ME 26 ME 27 ME 28 ME 29 ME 29 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 20 ME 2				
12 UICC → ME LAUNCH BROWSER 5.8.2 ME → USER ME displays the alpha identifier The user may have to confirm the launch browser, and the default Wap parameters and the default URL. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED 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 PENDING: LAUNCH BROWSER 5.8.1 ME → UICC → ME ME → UICC	11	MF → LIICC		
LAUNCH BROWSER 5.8.2 ME → USER ME displays the alpha identifier The user may have to confirm the launch browser. ME → UICC ME → USS ME → USS ME → USS ME → USS ME → USS ME → USS TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED WICC → ME UICC → ME ME → USS ME → UICC ME → UICC → ME ME →				[connect to the default URL, "launch browser,
14 USER → ME IThe user may have to confirm the launch browser. 15 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 16 ME → USS TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 17 UICC → ME PROACTIVE UICC SESSION ENDED 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 PENDING: LAUNCH BROWSER 5.8.1 20 ME → UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 21 UICC → ME PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 22 ME → USER → ME UICC → ME HE Gisplays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 23 USER → ME HE Gisplays the alpha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 24 ME → UICC TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 25 ME□USS The ME attempts to launch the session with the default URL. PROACTIVE UICC SESSION				
Iaunch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED 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 PENDING: LAUNCH BROWSER 5.8.1 TETCH UICC → ME PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 Iapha identifier The user may have to confirm the launch browser. Iapha identifier The user may have to confirm the launch browser. TERMINAL RESPONSE: LAUNCH BROWSER 5.8.1 Iapha identifier is displayed with underline on Iapha identifier The user may have to confirm the launch browser. Iapha identifier is displayed with underline on Iapha identifier The user may have to confirm the launch browser. Iapha identifier Iapha identifier Iapha identifier is displayed with underline on Iapha identifier Iapha identifier is displayed with underline on Iapha identifier Iapha identifie				
15 ME → UICC ME → USS ME → USS ME → USS ME → USS ME → USS The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED 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 PENDING: LAUNCH BROWSER 5.8.1 ME → UICC UICC → ME ME → UICC ME → USER ME → USER ME → USER ME → USER ME → USER ME → USER ME → UICC ME →	14	$USER \to ME$		[option: user confirmation]
BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE UICC SESSION ENDED 18 USER → ME UICC → ME 19 UICC → ME 19 UICC → ME 20 ME → UICC 21 UICC → ME UICC → ME 22 ME → USER 23 USER → ME 24 ME → UICC 25 ME□USS ME□USS ME□USS BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [option: user confirmation] [command performed successfully] ME□USS ME□USS ME□USS ME□USS ME□USS UICC → ME UICC → ME PROACTIVE UICC SESSION	15	$ME \rightarrow UICC$		[Command performed successfully]
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USER → ME USER	17	$UICC \to ME$		
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Then he/she ends the navigation. The ME returns in idle mode. PROACTIVE COMMAND PENDING: LAUNCH BROWSER 5.8.1 PROACTIVE COMMAND: PETCH PROACTIVE COMMAND: LAUNCH BROWSER 5.8.1 ME → USER USER → ME WE → USER USER → ME WE → UICC ME → UICC				
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 20 ME → UICC 21 UICC → ME 22 ME → USER USER → ME 23 USER → ME → UICC 24 ME → UICC 25 ME □ USS 26 UICC → ME 27 ME → UICC 28 ME → UICC 29 ME → UICC 20 ME → UICC 20 ME → UICC 21 ME → UICC 22 ME □ USS 23 ME □ USS 24 ME → UICC 25 ME □ USS 26 UICC → ME 27 ME □ USS 28 FETCH PROACTIVE COMMAND: [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, if not already launched", no null alpha id] [alpha identifier is displayed with underline on] [connect to the default URL, "launch browser, "launch browser, "launch default URL, "launch browser, "launch default URL, "launch browser, "launch default URL, "launch default URL, "launch default URL, "launch default URL, "launch default				
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BROWSER 5.8.1 The ME attempts to launch the session with the default Wap parameters and the default URL. UICC → ME PROACTIVE UICC SESSION	24	$ME \to UICC$		[Command performed successfully]
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parameters and the default URL. 26 UICC → ME PROACTIVE UICC SESSION	25	ME□USS		
26 UICC → ME PROACTIVE UICC SESSION				
	26	$UICC \to ME$		
· · · · · · · · · · · · · · · · · · ·				

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: 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 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: 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 5.8.3

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 5.8.1

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

Coding:

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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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	
2 3		PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
	OICC → 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	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
	ME . LUCC	launch browser.	[Command performed augeograficity]
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1	[Command penormed 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	
9	$USER \to ME$	ENDED The user verifies that the default	
9	USER → IVIE	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	
		5.9.2	
11	$ME \to UICC$	FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
		LAUNCH BROWSER 5.9.2	if not already launched", no null alpha id]
13	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with strikethrough
14	$USER \to ME$	The user may have to confirm the	off] [option: user confirmation]
'4	USER → IVIE	launch browser.	[option: user commitmation]
15	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH	[Command performed successfully]
		BROWSER 5.9.1	
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 / IVIL	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	
		5.9.1	
20		FETCH	[connect to the default LDL "lounch browser
21	$UICC \to ME$	PROACTIVE COMMAND: LAUNCH BROWSER 5.9.1	[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 strikethrough]
	/ 50210	a ap a y a mas ampires received.	on]
23	$USER \to ME$	The user may have to confirm the	[option: user confirmation]
		launch browser.	10
24	$ME \rightarrow UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1	[Command performed successfully]
25	ME□USS	The ME attempts to launch the	
20	2	session with the default Wap	
		parameters and the default URL.	
26	$UICC \to ME$	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 5.9.3	
29	$ME \to UICC$	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	$ME \to USER$	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	$ME \to UICC$	TERMINAL RESPONSE: LAUNCH BROWSER 5.9.1	[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 5.9.1

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

 $\begin{array}{ccc} & Destination \ device: & ME \\ & URL & empty \\ Alpha \ Identifier & "Default \ URL \ 2" \end{array}$

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	32	D0	04	00	0D	00	B4		

PROACTIVE COMMAND: LAUNCH BROWSER 5.9.3

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 5.9.1

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
	0.	00	0.	10	00	02	02	02	0.	00	0.	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 8.49, 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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

The ME is in idle mode.

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	$ME \rightarrow UICC$	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	$ME \rightarrow USER$	ME displays the alpha identifier	[alpha identifier is displayed with foreground
			and background colour according to the text
5	LICED ME	The user may have to confirm the	attribute configuration] [option: user confirmation]
5	$USER \to ME$	launch browser.	[option: user commutation]
6	$ME \rightarrow UICC$		[Command performed successfully]
	IVIL -> UICC	BROWSER 5.10.1	[Continana performed successibility]
7	ME→USS	The ME attempts to launch the	
	L 7000	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.	
10	LUCC ME	The ME returns in idle mode. PROACTIVE COMMAND	
10	$UICC \to ME$	PENDING: LAUNCH BROWSER	
		5.10.2	
11	$ME \to UICC$	FETCH	
12	UICC → ME	PROACTIVE COMMAND:	[connect to the default URL, "launch browser,
	0.00 /	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	$ME \rightarrow UICC$		[Command performed successfully]
4.0		BROWSER 5.10.1	
16	$ME \to USS$	The ME attempts to launch the	
		session with the default Wap	
17	$UICC \to ME$	parameters and the default URL. PROACTIVE UICC SESSION	
''		ENDED	
18	$USER \to ME$	The user verifies that the default	
	JOER / WIL	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:

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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

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:	01	03	01	15	02	82	02	82	01	83	01	00
DEN-ILV.	01	03	UI	15	02	02	02	02	01	03	UI	00

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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

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 → 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

700

Result

General Result: Command performed successfully

Coding:

BER-TLV:	81	03	01	15	02	82	02	82	81	83	01	00
DEIX IEV.	0.	00	0.	.0	02	02	02	02	0.	03	0.	00

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 or TCP mode

Port number: 44444

Data destination address 01.01.01.01 (as an example)

Note: If a data destination address different to 01.01.01.01 is used then the same value is

used in the content of the affected Open Channel commands and the network simulator setup and related UE settings might require a corresponding adaptation.

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	$USER \rightarrow ME$	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	$USS \to ME$	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	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 2.1.1A

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: 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							

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:

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	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 2.2.1A

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

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:

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

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 2.3 (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	$user \to ME$	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:

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

Coding:

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							

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	$\text{ME} \to \text{user}$	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	$ME \to UICC$	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: 1

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
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	44	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	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	

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	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 2.5.1	
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	[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

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	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	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 2.5.1A

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".

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	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 2.7.1	
4	$ME \rightarrow user$	Confirmation phase with alpha ID	[The ME shall display 'Open ID']
5	$user \to ME$	The user rejects	
6	$ME \to USS$	No PDP context activation	
		request is sent to the USS	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 2.7.1A	[User did not accept the proactive command]
		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	$ME \rightarrow USS$	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	[User did not accept the proactive command]
		CHANNEL 2.7.1A	
		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.

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

Expected Sequence 2.9 (OPEN CHANNEL, immediate link establishment, no alpha identifier, with network access name)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 2.9.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 2.9.1	
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 2.9.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 2.9.1B	

PROACTIVE COMMAND: OPEN CHANNEL 2.9.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

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: TCP

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	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	02	AD
	9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 2.9.1A

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 2.9.1B

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							

Expected Sequence 2.10 (OPEN CHANNEL, multi Open Channel, one in TCP Server mode and one in TCP Client mode)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	TCP server mode
		CHANNEL 2.10.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 2.10.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 2.10.1	[Command performed successfully]
			TCP in LISTEN state
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	TCP Client mode
		CHANNEL 2.10.2	
6	$ME \rightarrow UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 2.10.2	
8	$ME \rightarrow user$	The ME may display channel opening information	
9	$ME \rightarrow USS$	PDP context activation request	
10	$USS \to ME$	PDP context activation accept	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]
		2.10.2A	
		or	
		TERMINAL RESPONSE: OPEN CHANNEL	
		2.10.2B	

PROACTIVE COMMAND: OPEN CHANNEL 2.10.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: RFU

Device identities

Source device: UICC
Destination device: ME

Alpha Identifier Null

Buffer

Buffer size: 1400

UICC/terminal interface transport level

Transport format: TCP, UICC in server mode

Port number: 3516

Coding:

BER-TLV:	D0	14	81	03	01	40	00	82	02	81	82	05
	00	39	02	05	78	3C	03	03	0D	BC		

TERMINAL RESPONSE: OPEN CHANNEL 2.10.1

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and TCP in LISTEN state

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	00	82	02	82	81	83	01	00
	38	02	41	00	39	02	05	78				

PROACTIVE COMMAND: OPEN CHANNEL 2.10.2

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 / UTRAN packet service / E-UTRAN

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: TCP
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	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	02	AD
	9C	3E	05	21	01	01	01	01				

TERMINAL RESPONSE: OPEN CHANNEL 2.10.2A

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 2 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	82	00	35	07	02	03	04	03	04	1F
	02	39	02	05	78							

TERMINAL RESPONSE: OPEN CHANNEL 2.10.2B

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 2 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	82	00	35	07	02	00	04	03	04	1F
	02	39	02	05	78							

27.22.4.27.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 2.1 to 2.10.

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.1.1	
4	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with left 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	[Command performed successfully]
		5.1.1A	
		or	
		TERMINAL RESPONSE: OPEN CHANNEL	
		5.1.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 5.1.1	
10	$ME \rightarrow UICC$		
11	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
12		PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	$ME \rightarrow UICC$		[Command performed successfully]
4.5		5.1.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
16	ME LUCC	CHANNEL 5.1.2	
16 17	ME → UICC	PROACTIVE COMMAND : OPEN CHANNEL	
17	OICC → ME	5.1.2	
18	ME VIISED	Confirmation phase with alpha ID	[Message shall be formatted without left alignment.
10	IVIL → USLIX	Committation phase with alpha 15	Remark: If left 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		PDP context activation request	
21		PDP context activation accept	
22	$ME \rightarrow UICC$	· ·	[Command performed successfully]
		5.1.1A	7.
		or	
		TERMINAL RESPONSE: OPEN CHANNEL	
		5.1.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
l .		CHANNEL 5.1.1	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \to ME$		
		5.1.1	
26	$ME \rightarrow USS$	PDP context deactivation request	
27	$USS \to ME$	PDP context deactivation accept	
28	$ME \rightarrow UICC$		[Command performed successfully]
		5.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 5.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

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

Text Attribute

Data destination address

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

01.01.01.01

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
	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					

PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1

Logically:

Command details

Command number: 1

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

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
		CHANNEL 5.2.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 5.2.1	
4	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with center alignment]
5	$USER \to ME$	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 5.2.1A	[Command performed successfully]
		TERMINAL DESCRIPTIONS OF A CHANNEL	
		TERMINAL RESPONSE : OPEN CHANNEL 5.2.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
10	$ME \rightarrow UICC$	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
12	$ME \rightarrow USS$	PDP context deactivation request	
13	$USS \to ME$	PDP context deactivation accept	
14	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
4.5		5.1.1	
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.2.2	
16	ME → UICC	FETCH	
17	UICC → ME	PROACTIVE COMMAND : OPEN CHANNEL	
	0.00 /	5.2.2	
18	ME → USER	Confirmation phase with alpha ID	[Message shall be formatted without center alignment. Remark: If center 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	$ME \rightarrow USS$	PDP context activation request	
21	$USS \to ME$	PDP context activation accept	
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.2.1A	[Command performed successfully]
		or TERMINAL RESPONSE : OPEN CHANNEL 5.2.1B	
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 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 5.2.1

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: 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

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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
	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 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
	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

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GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	
4	ME LIGED	5.3.1 Confirmation phase with alpha ID	[alpha identifier is displayed with right alignment]
4 5	ME → USER	The user confirms	[alpha identifier is displayed with right alignment]
6	USER → ME	PDP context activation request	
7	$\begin{array}{c} ME \to USS \\ USS \to ME \end{array}$	PDP context activation request	
8	ME → UICC	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
	WE 70100	5.3.1A	[Command portormed edecederally]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
_		5.3.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
10	$ME \to UICC$	CHANNEL 5.1.1 FETCH	
11	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
	OIGG / IVIL	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 CHANNEL 5.3.2	
16	$ME \rightarrow UICC$	FETCH	
17	UICC → ME	PROACTIVE COMMAND : OPEN CHANNEL	
	0.00 /	5.3.2	
18	$ME \to USER$	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	onange will take piecej
20	ME → USS	PDP context activation request	
21	$USS \to ME$	PDP context activation accept	
22	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.3.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL 5.3.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
20	0100 → IVIL	CHANNEL 5.1.1	
24	$ME \to UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
00	ME USS	5.1.1	
26	ME → USS	PDP context deactivation request	
27 28	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
20	IVIE → UICC	5.1.1	[Command penomied successfully]

PROACTIVE COMMAND: OPEN CHANNEL 5.3.1

Logically:

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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: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off,

Strikethrough Off

Colour: Dark Green Foreground, Bright Yellow Background

Coding:

BER-TL	_V:	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	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
	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 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

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 5.3.1B

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.27.5.4.4.2 Procedure

Expected Sequence 5.4 (OPEN CHANNEL, immediate link establishment, GPRS, Text Attribute – Large Font Size)

1 UICC → ME	Step	Direction	MESSAGE / Action	Comments
CHANNEL 5.4.1 FETCH PROACTIVE COMMAND : OPEN CHANNEL St. 1 St. 2		$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
Section Sec			CHANNEL 5.4.1	
5.4.1 4 ME → USR 5 USER → ME 6 ME → USS 7 USER → ME 7 USER → ME 7 USER → ME 8 USER → ME 8 USER → ME 8 USER → ME 8 USER → ME 9 Confirmation phase with alpha ID 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 11 USER → ME 11 USER → ME 12 ME → USE 13 USER → ME 14 ME → USE 15 USER → ME 16 ME → USE 17 UICC → ME 18 ME → USE 18 ME → USE 19 UICE → ME 10 UICE → ME 11 UICE → ME 12 ME → UICE 15 UICE → ME 16 ME → UICE 17 UICE → ME 18 ME → UICE 18 ME → UICE 19 UICE → ME 19 USER → ME 19 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 11 UICE → ME 12 ME → USER 13 USER → ME 14 ME → UICE 15 UICE → ME 15 UICE → ME 16 ME → UICE 17 UICE → ME 18 ME → UICE 18 ME → UICE 19 UICE → ME 19 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 USER → ME 10 UICE → ME 10 UI	2	$ME \rightarrow UICC$	FETCH	
ME → USER ME → USER ME → UICC ME	3	$UICC \to ME$		
SER → ME				
ME → UICC			·	[alpha identifier is displayed with large font size]
Terminal Response : OPEN CHANNEL Command performed successfully				
BE → UICC TERMINAL RESPONSE : OPEN CHANNEL [Command performed successfully]				
S-4.14 Solution				
or TERMINAL RESPONSE : OPEN CHANNEL 5.4.18 9 UICC → ME → UICC HETCH PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 10 ME → UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 11 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 12 ME → UISS → ME PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.2 16 ME → UICC → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.4.2 18 ME → USSR → ME THOUSE COMMAND: OPEN CHANNEL 5.4.2 19 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 5.4.2 19 UISS → ME DPD context activation accept TERMINAL RESPONSE : OPEN CHANNEL 5.4.13 20 ME → UICC → ME PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.4.14 21 UICC → ME PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.4.15 22 UICC → ME PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 23 UICC → ME PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 24 ME → UICC HETCH PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 25 UICC → ME PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 26 ME → UISC TERMINAL RESPONSE: CLOSE CHANNEL 5.1.1 27 USS → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.1.1 28 ME → UICC HETCH PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.1.1 29 UICC → ME STAND PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 20 ME → UICC HETCH PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 21 UICC → ME STAND PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 22 ME → UICC HETCH PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 23 ME → UICC HETCH PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 24 ME → UICC HETCH PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 25 USS → ME PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 26 ME → UICC HETCH PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 27 USS → ME PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 28 ME → UICC HETCH PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 29 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 20 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 21 USS → ME PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 22 ME → UICC HETCH PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 29 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 5.1.1 20 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 5.1	8	$ME \rightarrow UICC$		[Command performed successfully]
TERMINAL RESPONSE : OPEN CHANNEL 5.4.18 PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 PETCH PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 PPD context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PROACTIVE COMMAND: CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : CLOSE CHANNEL TERMINAL				
9 UICC → ME → UIC				
9				
ME → UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1	٥	LUCC ME		
10 ME → UICC UICC → ME 11 ME → USS 13 USS → ME 14 ME → UICC 16 ME → UICC 17 UICC → ME 16 ME → UICC 17 UICC → ME 18 ME → UICC 18 ME → UICC 19 UICC → ME 19 USER → ME 20 ME → UISS 21 USS → ME 22 ME → UICC 25 UICC → ME 26 ME → UICC 26 ME → UICC 27 UICC → ME 28 ME → UICC 28 UICC → ME 29 UICC → ME 20 ME → UICC 25 UICC → ME 26 ME → UICC 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 UICC → ME 29 UICC → ME 20 ME → UICC 30 ME → UICC 31 ME → UICC 32 ME → UICC 33 UICC → ME 34 ME → UICC 35 UICC → ME 36 ME → UICC 36 ME → UICC 37 UICC → ME 38 ME → UICC 38 ME → UICC 39 UICC → ME 40 ME → UICC 30 ME → UICC 31 UICC → ME 41 ME → UICC 32 ME → UICC 33 UICC → ME 42 ME → UICC 34 ME → UICC 35 UICC → ME 46 ME → UICC 36 ME → UICC 37 UICC → ME 47 ME → UICC 38 ME → UICC 39 UICC → ME 48 ME → UICC 30 ME → UICC 31 UICC → ME 48 ME → UICC 31 UICC → ME 49 UICC → ME 51.1 51.1 61 ME → UICC 31 UICC → ME 61 ME → UICC 32 ME → UICC 33 UICC → ME 61 ME → UICC 34 ME → UICC 35 UICC → ME 61 ME → UICC 36 ME → UICC 37 UICC → ME 61 ME → UICC 38 ME → UICC 39 UICC → ME 61 ME → UICC 62 ME 63 ME → UICC 64 ME → UICC 65 ME 64 ME → UICC 65 ME 65 ME → UICC 66 ME 66 ME → UICC 67 ME 67 ME 67 ME 67 ME 67 ME 67 ME 67 ME 67 ME 67 ME 67 ME 67 ME 67 ME 67 ME 68 ME 68 ME 69 ME 69 ME 69 ME 69 ME 69 ME 69 ME 60 ME	9	OICC → IVIE		
11	10	ME -> LIICC		
12				
12	''	OIOO / IVIL		
13 USS → ME ME → UICC 15 UICC → ME 16 ME → UICC 17 UICC → ME 18 ME → UICC 18 ME → UICC 19 UICC → ME 19 USER → ME 20 ME → UICC 21 UICC → ME 22 USS → ME 23 UICC → ME 24 ME → UICC 25 UICC → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 UICC → ME 20 ME → UICC 20 Confirmation phase with alpha ID 21 USER → ME 22 USS → ME 23 UICC → ME 24 ME → UICC 25 UICC → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 29 UICC → ME 29 UICC → ME 20 ME → UICC 31 UICC → ME 30 ME → UICC 31 UICC → ME 31 UICC → ME 32 UICC → ME 33 USS → ME 34 ME → UICC 31 UICC → ME 33 USS → ME 34 ME → USSR 35 USS → ME 36 ME → USCR 37 USSR → ME 38 ME → UICC 39 UICC → ME 30 ME → UICC 31 UICC → ME 31 UICC → ME 32 UICC → ME 33 USSR → ME 34 ME → USCR 35 USSR → ME 36 ME → USCR 36 ME → USCR 37 USSR → ME 38 USSR → ME 39 USSR → ME 39 USSR → ME 30 ME → UICC 31 UICC → ME 31 USCR → ME 32 USSR → ME 33 USSR → ME 34 ME → USCR 35 USSR → ME 36 ME → UICC 36 USSR → ME 37 USCR → ME 38 USSR → ME 39 USCR → ME 30 USCR → ME 30 USCR → ME 30 USCR → ME 30 USCR → ME 30 USCR → ME 30 USCR → ME 30 USCR → ME 30 USCR → ME 30 USCR → ME 30	12	$ME \rightarrow USS$		
14	13		=	
15				[Command performed successfully]
16				
16 ME → UICC ME	15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
17 UICC → ME 18 ME → USER 19 USER → ME 19 USS → ME 20 ME → USS 21 USS → ME 22 ME → UICC 23 UICC → ME 24 ME → UICC 25 UICC → ME 26 ME → UICC 27 UICC → ME 28 ME → UICC 28 ME → UICC 39 UICC → ME 29 UICC → ME 20 ME → UICC 30 ME → UICC 31 UICC → ME 30 ME → UICC 31 UICC → ME 31 UICC → ME 32 ME → UICC 33 UICC → ME 34 ME → UICC 35 UICC → ME 36 ME → UICC 37 UICC → ME 38 ME → UICC 39 UICC → ME 30 ME → UICC 31 UICC → ME 31 UICC → ME 32 ME → UICC 33 UICC → ME 34 ME → UICC 35 UICC → ME 36 ME → UICC 37 UICC → ME 38 ME → UICC 39 UICC → ME 30 ME → UICC 31 UICC → ME 31 UICC → ME 32 ME → UICC 33 UICC → ME 34 ME → UICC 35 UICC → ME 36 ME → UICC 37 UICC → ME 38 ME → UICC 39 UICC → ME 30 ME → UICC 31 UICC → ME 31 UICC → ME 32 ME → UICC 33 UICC → ME 34 ME → UICC 35 UICC → ME 36 ME → UICC 37 UICC → ME 38 ME → UICC 39 UICC → ME 30 ME → UICC 31 UICC → ME 31 UICC → ME 32 ME → UICC 33 UICC → ME 34 ME → UICC 35 UICC → ME 36 ME → UICC 37 UICC → ME 38 ME → UICC 39 UICC → ME 30 ME → UICC 30 ME → UICC 31 UICC → ME 32 ME → UICC 33 UICC → ME 34 ME → UICC 35 (Confirmation phase with alpha ID 36 ME → UICC 37 (Confirmation phase with alpha ID 38 ME → UICC 39 (Command performed successfully) 30 ME → UICC 31 UICC → ME 32 (Confirmation phase with alpha ID 34 ME → UICC 35 (Command performed successfully) 36 (Command performed successfully) 37 (Command performed successfully) 38 (Command performed successfully) 39 (Command performed successfully) 30 (Command performed successfully) 31 (Command performed successfully) 31 (Command performed successfully) 32 (Command performed successfully) 33 (Command performed successfully) 34 (Command performed successfully) 35 (Command performed successfully) 36 (Command performed successfully) 37 (Command performed successfully) 38 (Command performed successfully) 39 (Command performed successfully) 30 (Command performed successfully) 30 (Command performed successfully) 30 (Command performed successfully) 30 (Command performed successfully) 30 (Command performed successfully) 30 (Command performed successfully) 30				
18 ME → USER 19 USER → ME 20 ME → USS 21 USS → ME 22 ME → UICC MI → UICC M		$ME \rightarrow UICC$		
18	17	$UICC \to ME$		
19 USER → ME ME → UISS 21 USS → ME ME → UICC 22 ME → UICC 31 UICC → ME PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.4.18 23 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 26 ME → UICC 27 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 28 ME → UICC 29 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 29 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 29 UICC → ME PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 29 UICC → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.1.1 30 ME → UICC 31 UICC → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.4.1 31 UICC → ME PROACTIVE COMMAND PENDING: OPEN CHANNEL 5.4.1 32 ME → UICC 31 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 5.4.1 33 USER → ME ME → UICC 34 ME → UICC 35 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 5.4.1 36 ME → UICC 37 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL 5.4.1 38 ME → UICC 39 UICC → ME TERMINAL RESPONSE: OPEN CHANNEL 5.4.1 39 ME → UICC 31 UICC → ME TERMINAL RESPONSE: OPEN CHANNEL 5.4.1 30 ME → UICC 31 UICC → ME TERMINAL RESPONSE: OPEN CHANNEL 5.4.1 31 UICC → ME TERMINAL RESPONSE: OPEN CHANNEL 5.4.1 32 ME → UICC 33 USER → ME TERMINAL RESPONSE: OPEN CHANNEL 5.4.1 34 ME → UICC 35 UICC → ME TERMINAL RESPONSE: OPEN CHANNEL 5.4.1 36 ME → UICC 37 UICC → ME TERMINAL RESPONSE: OPEN CHANNEL 5.4.1 38 USER → ME TERMINAL RESPONSE: OPEN CHANNEL 5.4.1 40 OF TERMINAL RESPONSE: OPEN CHANNEL 5.4.1				
20 ME → USS JUSS → ME PDP context activation request PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL 5.4.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 FETCH PDP context deactivation request USS → ME ME → UICC ST.1.1 PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PPD context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.1.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.1.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 FETCH ST.1 PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 FETCH ST.1 PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 FETCH ST.1 PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 FETCH ST.1 PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 FETCH ST.1 PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 FETCH ST.1				[alpha identifier is displayed with normal font size]
21 USS → ME ME → UICC 22 UICC → ME				
22 ME → UICC 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL 5.4.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 FETCH PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 26 ME → UISS PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 29 UICC → ME WE → UICC 30 ME → UICC 31 UICC → ME PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 FETCH PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 SETCH PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 TERMINAL RESPONSE : OPEN CHANNEL S.4.1 31 USER → ME USER →				
5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL 5.4.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 FETCH PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 FETCH PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 Confirmation phase with alpha ID The user confirms ME → USS JUSS → ME ME → UICC ME →			· ·	
or TERMINAL RESPONSE : OPEN CHANNEL 5.4.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 FETCH UICC → ME ME → UICC ME → USS USS → ME WE → UICC ME → U	22	$ME \rightarrow UICC$		[Command performed successfully]
TERMINAL RESPONSE : OPEN CHANNEL 5.4.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1 FETCH PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 FETCH PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 Confirmation phase with alpha ID The user confirms ME → USS ME → USS USS → ME ME → USS USS → ME ME → USC ME → UICC TERMINAL RESPONSE : OPEN CHANNEL 5.4.1 [alpha identifier is displayed with large font size] TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A OF TERMINAL RESPONSE : OPEN CHANNEL [Command performed successfully]				
UICC → ME ME → UICC				
UICC → ME ME → UICC UICC → ME ME → USS USS → ME ME → UICC ME → USS USS → ME ME → UICC ME ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC ME → UICC → ME ME → UICC ME →				
CHANNEL 5.1.1 PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1 PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 Confirmation phase with alpha ID The user confirms ME → USS → ME ME → USS USS → ME ME → UICC ME → UICC TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A OF TERMINAL RESPONSE : OPEN CHANNEL [Command performed successfully]]	23	UICC → ME		
24 ME → UICC 25 UICC → ME 26 ME → USS 27 USS → ME 28 ME → UICC 30 ME → UICC 31 UICC → ME 30 ME → UICC 31 ME → UICC 31 ME → USS 32 ME → UICC 31 UICC → ME 33 ME → USS 34 ME → USS 35 USS → ME 36 ME → USS 36 ME → UICC 37 UICC → ME 38 ME → UICC 39 UICC → ME 30 ME → UICC 30 ME → UICC 31 UICC → ME 31 USER → ME 32 ME → USER 33 USER → ME 34 ME → USS 35 USS → ME 36 ME → UICC 37 TERMINAL RESPONSE : OPEN CHANNEL 38 ME → USS 39 PDP context activation request 39 PDP context activation accept 30 TERMINAL RESPONSE : OPEN CHANNEL 31 (Command performed successfully) 32 (Command performed successfully) 33 (Command performed successfully) 34 (Command performed successfully) 35 (Command performed successfully)		OIGG / IVIL		
25 UICC → ME	24	$ME \rightarrow UICC$		
5.1.1 PDP context deactivation request PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL 5.1.1 PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.4.1 FETCH PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 Confirmation phase with alpha ID The user confirms ME → USS USS → ME ME → USS USS → ME ME → UICC TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL TERMINAL RESPONSE : OPEN CHANNEL	25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
27 USS → ME 28 ME → UICC 29 UICC → ME 30 ME → UICC 31 UICC → ME 32 ME → USER 33 USER → ME 34 ME → USS 35 USS → ME 36 ME → UICC 37 ME 38 ME → USS 39 ME → USER 39 ME → USER 30 ME → USER 30 ME → USER 30 ME → USER 31 USER → ME 32 ME → USER 33 USER → ME 34 ME → USS 35 USS → ME 36 ME → UICC 37 ME → USS 38 ME → USS 39 ME → USS 30 ME → USS 30 ME → USS 31 USER → ME 32 ME → USS 33 USS → ME 34 ME → USS 35 USS → ME 36 ME → UICC 37 ME → UICC 38 (Command performed successfully) [Command performed successfully] [Command performed successfully]			5.1.1	
28 ME → UICC 29 UICC → ME 30 ME → UICC 31 UICC → ME 32 ME → USER 33 USER → ME 34 ME → USS 35 USS → ME 36 ME → UICC 37 ME → UICC 38 ME → USS 39 USS → ME 39 ME → USS 30 ME → USS 30 ME → USS 31 USER → ME 32 ME → USS 33 USS → ME 34 ME → USS 35 USS → ME 36 ME → UICC 37 ME → UICC 38 ME → USS 39 ME → USS 39 ME → UICC 30 ME → USS 31 USER → ME 32 ME → USS 33 USS → ME 34 ME → USS 35 USS → ME 36 ME → UICC 37 ME → UICC 38 ME → UICC 39 ME → UICC 39 ME → UICC 39 ME → UICC 39 ME → UICC 30 ME → UICC 31 ME → USS 32 ME → USS 33 USS → ME 34 ME → UICC 35 ME → UICC 36 ME → UICC 37 ME → UICC 38 ME → UICC 39 ME → UICC 39 ME → UICC 39 ME → UICC 39 ME → UICC 39 ME → UICC 39 ME → UICC 39 ME → UICC 30 ME → UICC 30 ME → UICC 31 ME → USS 32 ME → UICC 31 ME → USS 33 ME → UICC 31 ME → USS 34 ME → USS 35 ME → UICC 36 ME → UICC 37 ME → UICC 39 ME → UICC 39 ME → UICC 30 ME → UICC 30 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 32 ME → UICC 33 ME → UICC 34 ME → UICC 36 ME → UICC 37 ME → UICC 38 ME → UICC 39 ME → UICC 30 ME → UICC 30 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 32 ME → UICC 33 ME → UICC 34 ME → UICC 35 ME → UICC 36 ME → UICC 37 ME → UICC 37 ME → UICC 38 ME → UICC 38 ME → UICC 39 ME → UICC 30 ME → UICC 30 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 32 ME → UICC 33 ME → UICC 34 ME → UICC 35 ME → UICC 36 ME → UICC 37 ME → UICC 37 ME → UICC 38 ME → UICC 39 ME → UICC 30 ME → UICC 30 ME → UICC 30 ME → UICC 30 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 31 ME → UICC 32 ME → UICC		$ME \rightarrow USS$		
UICC → ME 30		$USS \to ME$		
UICC → ME NE → UICC UICC → ME NE → USER USER → ME ME → USS USS → ME ME → UICC ME ME → USS ME → UICC	28	$ME \rightarrow UICC$		[Command performed successfully]
30 ME → UICC 31 VICC → ME 32 ME → USER 33 USER → ME 34 ME → USS 35 USS → ME 36 ME → UICC 37 CHANNEL 5.4.1 CHANNEL 5.4.1 FETCH PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 Confirmation phase with alpha ID The user confirms PDP context activation request PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL				
30 ME → UICC 31 UICC → ME 32 ME → USER 33 USER → ME 34 ME → USS 35 USS → ME 36 ME → UICC 36 FETCH PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 Confirmation phase with alpha ID The user confirms PDP context activation request PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL	29	$UICC \to ME$		
31 UICC → ME PROACTIVE COMMAND : OPEN CHANNEL 5.4.1 32 ME → USER USER → ME USER → ME ME → USS USS → ME ME → UICC 33 USER → ME ME → UICC 34 ME → UICC 35 USS → ME ME → UICC 36 ME → UICC 37 Department of the user confirms of the user confirms publication request publication accept TERMINAL RESPONSE : OPEN CHANNEL [Command performed successfully]] 36 Department of the user confirms publication request publication accept TERMINAL RESPONSE : OPEN CHANNEL [Command performed successfully]]	20	ME IIIOO		
32 ME → USER 33 USER → ME 34 ME → USS 35 USS → ME 36 ME → UICC 5.4.1 Confirmation phase with alpha ID The user confirms PDP context activation request PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL				
32 ME → USER USER → ME USER → ME ME → USS USS → ME ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → ME → UICC USS → UICC USS → ME → UICC USS → UIC	31	UICC → ME		
33 USER → ME ME → USS ME → USS DDP context activation request PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL	32	ME LISED		[alpha identifier is displayed with large font size]
34 ME → USS DPP context activation request PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL				[aipha lachtiller is displayed with large fort size]
35 USS → ME ME → UICC PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL [Command performed successfully] 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL				
36 ME → UICC TERMINAL RESPONSE : OPEN CHANNEL [Command performed successfully] 5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL				
5.4.1A or TERMINAL RESPONSE : OPEN CHANNEL			· ·	[Command performed successfully]
or TERMINAL RESPONSE : OPEN CHANNEL		IVIL -7 UICC		[Command ponomina adoptionity]
TERMINAL RESPONSE : OPEN CHANNEL				

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
38	ME → UICC	FETCH	
39	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
39		5.1.1	
40	$ME \to USS$	PDP context deactivation request	
41	$USS \rightarrow ME$	PDP context deactivation accept	
42	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
	, 0.00	5.1.1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
43	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.4.3	
44	$ME \rightarrow UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.4.3	
46	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with normal font size]
47	$USER \rightarrow ME$	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	
		CHANNEL 5.1.1	
52	ME → UICC	FETCH	
53	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
5 4	ME LICO	5.1.1	
54	ME → USS	PDP context deactivation request	
55	USS → ME	PDP context deactivation accept	
56	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	

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
	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	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

Coding:

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

Coding:

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	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 5.4.1A

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 5.4.1B

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	
		CHANNEL 5.5.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.5.1	
4	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with small font size]
5	$USER \to ME$	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	[Command performed successfully]
		5.5.1A	
		OF	
		TERMINAL RESPONSE : OPEN CHANNEL 5.5.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		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 5.5.2	
16	$ME \rightarrow UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
40		5.5.2	
18	ME → USER	Confirmation phase with alpha ID	[alpha identifier is displayed with normal font size]
19	USER → ME	The user confirms	
20	ME → USS	PDP context activation request	
21	USS → ME	PDP context activation accept	[Common disposition of a common disposition of the common disposition
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.5.1A or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.5.1B	
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	
		5.1.1	
26	$ME \rightarrow USS$	PDP context deactivation request	
27	USS → ME	PDP context deactivation accept	
28	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
20	LUCC	5.1.1	
29	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.5.1	
30	$ME \rightarrow UICC$	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 → ME	The user confirms	
34	ME → USS	PDP context activation request	
35	USS → ME	PDP context activation accept	
36	ME → UICC	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.5.1A	-
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.5.1B	

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
38	$ME \rightarrow UICC$	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 5.5.3	
44	$ME \rightarrow UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.5.3	
46	$ME \rightarrow USER$	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	$ME \rightarrow UICC$	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 → UICC	FETCH	
53	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
5 4	ME LICO	5.1.1	
54	ME → USS	PDP context deactivation request	
55	$USS \to ME$	PDP context deactivation accept	
46	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
		5.1.1	

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	80
	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

Coding:

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 5.5.3

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 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

Coding:

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	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 5.5.1A

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 5.5.1B

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.6.1	
4		Confirmation phase with alpha ID	[alpha identifier is displayed with bold on]
5		The user confirms	
6		PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.6.1A	
		OF	
		TERMINAL RESPONSE : OPEN CHANNEL 5.6.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
3	OICC → IVIE	CHANNEL 5.1.1	
10	$ME \rightarrow UICC$	FETCH	
11		PROACTIVE COMMAND: CLOSE CHANNEL	
	0.00 /	5.1.1	
12	$ME \rightarrow USS$	PDP context deactivation request	
13		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 5.6.2	
16	$ME \rightarrow UICC$		
17	$UICC \rightarrow ME$	PROACTIVE COMMAND : OPEN CHANNEL	
4.0		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	[O
22	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.6.1A or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.6.1B	
23	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 5.1.1	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
26	$ME \rightarrow USS$	PDP context deactivation request	
27		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	
30	ME LUCC	CHANNEL 5.6.1 FETCH	
30 31		PROACTIVE COMMAND : OPEN CHANNEL	
31	UICC → IVIE	5.6.1	
32	MF → LISER	Confirmation phase with alpha ID	[alpha identifier is displayed with bold on]
33		The user confirms	Largina raditalior is displayed with bold on
34		PDP context activation request	
35		PDP context activation accept	
36	ME → UICC	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
	WIL / 0100	5.6.1A	[25and ponomina adoptioning]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.6.1B	

37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 5.1.1	
38	$ME \rightarrow UICC$		
39	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
40		PDP context deactivation request	
41		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	$UICC \to ME$		
		5.6.3	
46	$ME \rightarrow USER$	· · · · · · · · · · · · · · · · · · ·	[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	
		5.6.1B	
51	$UICC \to ME$		
		CHANNEL 5.1.1	
52	$ME \rightarrow UICC$		
53	$UICC \to ME$		
		5.1.1	
54		PDP context deactivation request	
55		PDP context deactivation accept	
56	$ME \rightarrow UICC$		[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

Coding:

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 5.6.3

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 3"

Bearer

GPRS Bearer type:

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

UserLog (User login) Text String: UserPwd (User password) Text String:

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	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	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 5.6.1A

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 5.6.1B

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	
2	ME IIIOO	CHANNEL 5.7.1	
2 3	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND : OPEN CHANNEL	
3	OICC → IVIE	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 → UICC	TERMINAL RESPONSE : OPEN CHANNEL 5.7.1A	[Command performed successfully]
		or TERMINAL RESPONSE : OPEN CHANNEL 5.7.1B	
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 5.7.2	
16	$ME \to UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 5.7.2	
18	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with italic off]
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 5.7.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
00		5.7.1B	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		5.1.1	
26	ME → USS	PDP context deactivation request	
27	USS → ME	PDP context deactivation accept TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
28	ME → UICC	5.1.1	[Command performed successfully]
29	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN CHANNEL 5.7.1	
30	ME → UICC	FETCH	
31	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 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	
34	ME → USS	PDP context activation request	
35 36	USS → ME	PDP context activation accept TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
30	$ME \rightarrow UICC$	5.7.1A	[Command pendimed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.7.1B	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	
	0.00 /	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	
		5.7.3	
46	$ME \rightarrow USER$	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	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
31		CHANNEL 5.1.1	
52	$ME \to UICC$	FETCH	
53	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
		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]
	, 5.30	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
	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	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

Coding:

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 5.7.3

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

Coding:

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
	3E	05	21	01	01	01	01					_

TERMINAL RESPONSE: OPEN CHANNEL 5.7.1A

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: 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
	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	
2	ME IIIOO	CHANNEL 5.8.1	
2 3	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND : OPEN CHANNEL	
3	OICC → IVIE	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	$ME \rightarrow UICC$	CHANNEL 5.1.1 FETCH	
11	$UICC \rightarrow ME$	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	
	0.00 / ML	CHANNEL 5.8.2	
16	$ME \to UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
18	$ME \rightarrow USER$	5.8.2 Confirmation phase with alpha ID	[alpha identifier is displayed with underline off]
19	$USER \rightarrow ME$	The user confirms	[alpha identifier is displayed with dildentifie on]
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]
		5.8.1A	
		or TERMINAL RESPONSE: OPEN CHANNEL	
		5.8.1B	
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	OICC → IVIE	CHANNEL 5.8.1	
30	$ME \to UICC$	FETCH	
31	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
20	ME LICER	5.8.1	[alpha identifier is displayed with underline and
32 33	$ME \rightarrow USER$ $USER \rightarrow ME$	Confirmation phase with alpha ID The user confirms	[alpha identifier is displayed with underline on]
34	$ME \rightarrow USS$	PDP context activation request	
35	$USS \rightarrow ME$	PDP context activation accept	
36	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
		5.8.1A	
		OF	
		TERMINAL RESPONSE : OPEN CHANNEL 5.8.1B	
1	!		ı

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 5.8.3	
44	$ME \rightarrow UICC$	FETCH	
45	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.8.3	
46	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with underline 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]
		5.8.1A	
		Or	
		TERMINAL RESPONSE : OPEN CHANNEL	
51	LUCC ME	5.8.1B PROACTIVE COMMAND PENDING: CLOSE	
51	$UICC \to ME$	CHANNEL 5.1.1	
52	ME → UICC	FETCH	
53	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
33		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]
	IVIL → UICC	5.1.1	[Command portormed adocessiony]

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
	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	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

Coding:

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

Coding:

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	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 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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
		5.9.1	
4	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with strikethrough on]
5	$USER \to ME$	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	[Command performed successfully]
		5.9.1A	
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
	LUCC ME	5.9.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
10	ME → UICC	FETCH	
11	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
''	OICC - IVIL	5.1.1	
12	$ME \rightarrow USS$	PDP context deactivation request	
13	USS → ME	PDP context deactivation accept	
14	ME → UICC	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
	/ 0.00	5.1.1	7,
15	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
		CHANNEL 5.9.2	
16	$ME \rightarrow UICC$	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	$USER \to ME$	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	
20		CHANNEL 5.1.1	
24	$ME \rightarrow UICC$	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]
		5.1.1	
29	$UICC \to ME$	PROACTIVE COMMAND PENDING : OPEN	
00	NAT 1	CHANNEL 5.9.1	
30	ME → UICC	FETCH	
31	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
22	ME LIGER	5.9.1	[alpha identifier is displayed with strikethrough on]
32 33	$ \begin{array}{c} ME \to USER \\ USER \to ME \end{array} $	Confirmation phase with alpha ID The user confirms	[aipha identiner is displayed with strikethough on]
34		PDP context activation request	
35	$\begin{array}{c} ME \to USS \\ USS \to ME \end{array}$	PDP context activation request	
36	ME → UICC	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
30	IVIL -> UICC	5.9.1A	[Sommand performed successfully]
		or	
		TERMINAL RESPONSE : OPEN CHANNEL	
		5.9.1B	
			·

3	37	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
3	88	$ME \rightarrow UICC$	FETCH	
	39	UICC → ME	PROACTIVE COMMAND: CLOSE CHANNEL	
		0.00 /	5.1.1	
4	10	$ME \to USS$	PDP context deactivation request	
4	11	$USS \to ME$	PDP context deactivation accept	
4	2	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
			5.1.1	, , , , , , , , , , , , , , , , , , , ,
4	13	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	
			CHANNEL 5.9.3	
4	14	$ME \to UICC$	FETCH	
4	15	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL	
			5.9.3	
	ŀ6	$ME \rightarrow USER$	Confirmation phase with alpha ID	[alpha identifier is displayed with strikethrough off]
	17	$USER \to ME$	The user confirms	
	18	$ME \to USS$	PDP context activation request	
4	19	$USS \to ME$	PDP context activation accept	
5	50	$ME \to UICC$	TERMINAL RESPONSE : OPEN CHANNEL	[Command performed successfully]
			5.9.1A	
			or	
			TERMINAL RESPONSE : OPEN CHANNEL	
_ ا			5.9.1B	
5	51	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
_		ME	CHANNEL 5.1.1 FETCH	
	52 53	ME → UICC	PROACTIVE COMMAND: CLOSE CHANNEL	
)	00	$UICC \to ME$	5.1.1	
	54	$ME \to USS$	PDP context deactivation request	
	55	USS → ME	PDP context deactivation request	
	66	ME → UICC	TERMINAL RESPONSE : CLOSE CHANNEL	[Command performed successfully]
3	00	IVIE → UICC	5.1.1	
			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
	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	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

Coding:

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 5.9.3

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

Coding:

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
	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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 5.10.1	
4	$ME \to USER$	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	
6	$ME \to USS$	PDP context activation request	
7	$USS \to ME$	PDP context activation accept	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 5.10.1A or	[Command performed successfully]
		TERMINAL RESPONSE : OPEN CHANNEL 5.10.1B	
9	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 5.1.1	
10	$ME \rightarrow UICC$	FETCH	
11	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 5.1.1	
12	$ME \rightarrow USS$	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 5.10.2	
16	$ME \to UICC$	FETCH	
17	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 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 5.10.1A	[Command performed successfully]
		TERMINAL RESPONSE : OPEN CHANNEL 5.10.1B	
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 5.10.1

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 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	00
	B4											

PROACTIVE COMMAND: OPEN CHANNEL 5.10.2

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
	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 5.10.1A

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 5.10.1B

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.

27.22.4.27.6 Open Channel (related to E-UTRAN)

27.22.4.27.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.6.2 Conformance requirements

The ME shall support the class "e" commands and E-UTRAN 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 8.52, clause 8.59, clause 8.61,
- TS 23.107 [30], cl 9.1.2.2, clause 9.1.2.3,
- TS 23.203 [31], cl 6.1.7.2,
- TS 24.301 [32], cl 9.9.4.3,
- TS 36.508 [33], cl 6.6.1.

27.22.4.27.6.3 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 while accressing E-UTRAN/EPC. The TERMINAL RESPONSE sent back to the UICC is the result of the ME and the network capabilities against requested parameters by the UICC.

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To verify that the ME sets up a PDN connection with the Access Point Name (APN) indicated in the Open Channel command which differs from the default APN.

To verify that the ME uses the Default EPS bearer when Bearer Type 3 is indicated in the Open Channel command.

To verify that the ME does not disconnect the Deafult EPS bearer when the user rejects the user confirmation of the Open Channel command.

27.22.4.27.6.4 Method of test

27.22.4.27.6.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level

Transport format: TCP Port number: 44444

Data destination address: 01.01.01.01 (as an example)

Note: If a data destination address different to 01.01.01.01 is used then the same value is used

in the content of the affected Open Channel commands and the network simulator setup

and related UE settings might require a corresponding adaptation.

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.

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.

For sequence 6.1, 6.2 and 6.3 the E-USS shall be able to support 2 active PDN connections at the same time.

27.22.4.27.6.4.2 Method of test

Expected Sequence 6.1 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '02')

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$		[see initial conditions]
		terminal configuration if required	
2	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		OPEN CHANNEL 6.1.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND : OPEN	
		CHANNEL 6.1.1	
5	$ME \rightarrow USER$	The ME may display channel opening	
		information	
6	$ME \rightarrow E-USS$	PDN CONNECTIVITY REQUEST	
7	$E\text{-USS} \to ME$	ACTIVATE DEFAULT EPS BEARER	[The E-UTRAN parameters are used]
		CONTEXT REQUEST	
8	$ME \rightarrow E\text{-}USS$	ACTIVATE DEFAULT EPS BEARER	
		CONTEXT ACCEPT	
9	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN	[Command performed successfully]
		CHANNEL 6.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 6.1.1

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 / UTRAN packet service / E-UTRAN

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
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: TCP
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	02	09	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
	0D F4	08 55	73	65 65	73 72	65 50	72 77	4C 64	6F 3C	67 03	0D 02	08 AD

TERMINAL RESPONSE: OPEN CHANNEL 6.1.1

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 / UTRAN packet service / E-UTRAN

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400

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Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	07	02	03	04	02	09	1F
	02	39	02	05	78							

Expected Sequence 6.2 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '0B')

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	Set and configure APN "TestGp.rs" and	[see initial conditions]
		"Test12.rs"in the terminal configuration if	
		required	
2	$UICC \to ME$		
2	ME LUCC	OPEN CHANNEL 6.2.1	
3	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND : OPEN	The "TestGp.rs" APN is requested
4	OICC → ME	CHANNEL 6.2.1	The residp.is AFIN is requested
5	MF → LISER	The ME may display channel opening	
	WE 7 COLIN	information	
6	$ME \rightarrow E\text{-}USS$	PDN CONNECTIVITY REQUEST	The PDN CONNECTIVITY REQUEST shall
			contain APN value "TestGp.rs"
7	E-USS → ME	ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST	[The E-UTRAN parameters are used]
8	$ME \rightarrow E\text{-USS}$	ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT	
9	$ME \rightarrow UICC$		[Command performed successfully
		CHANNEL 6.2.1A	OR
		OR	Command performed with modifications]
		TERMINAL RESPONSE : OPEN CHANNEL 6.2.1B	
		CHANNEL 6.2.1B	
10	UICC → ME	PROACTIVE COMMAND PENDING:	
		CLOSE CHANNEL 3.1.1	
11	$ME \rightarrow UICC$		
12	$UICC \to ME$	PROACTIVE COMMAND : CLOSE	The ME can deactivate the EPS bearer
40	145	CHANNEL 3.1.1	
13	$ME \rightarrow UICC$	TERMINAL RESPONSE : CLOSE CHANNEL 3.1.1	
14	$UICC \to ME$	PROACTIVE COMMAND PENDING:	The "Test12.rs" APN is requested
'-	OIOO IVIL	OPEN CHANNEL 6.2.2	The restrains At It is requested
15	$ME \rightarrow UICC$		
16	$UICC \to ME$	PROACTIVE COMMAND : OPEN	
		CHANNEL 6.2.2	
17	$ME \rightarrow USER$		
40		information	TI PRINCIPLE TRUTT (DECLIEGT : "
18	ME → E-	PDN CONNECTIVITY REQUEST	The PDN CONNECTIVITY REQUEST shall
19	USS	ACTIVATE DEFAULT EPS BEARER	contain APN value "Test12.rs" [The E-UTRAN parameters are used]
19	$\begin{array}{c} E\text{-}USS \to \\ ME \end{array}$	CONTEXT REQUEST	[second PDN context activated]
20	ME → E-	ACTIVATE DEFAULT EPS BEARER	[cooona i Div comon donvatou]
20	USS	CONTEXT ACCEPT	
21	ME → UICC	TERMINAL RESPONSE : OPEN	[Command performed successfully
		CHANNEL 6.2.2A	OR
1		OR	Command performed with modifications]
1		TERMINAL RESPONSE : OPEN	
		CHANNEL 6.2.2B	
<u> </u>			

PROACTIVE COMMAND: OPEN CHANNEL 6.2.1

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: E-UTRAN / mapped UTRAN packet service

QCI

Maximum bit rate for uplink: 0 (Subscribed maximum bit rate for uplink)
Maximum bit rate for downlink: 0 (Subscribed maximum bit rate for downlink)

Guaranteed bit rate for uplink: 0 (Use the value indicated by the maximum bit rate for uplink)

Guaranteed bit rate for downlink: 0 (Use the value indicated by the maximum bit rate for

downlink)

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: 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: TCP
Port number: 44444
Data destination address 01.01.01.01

Coding:

E	BER-TLV:	D0	46	81	03	01	40	01	82	02	81	82	35
		0B	0B	09	00	00	00	00	00	00	00	00	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	02	AD	9C	3E	05	21	01	01	01	01

TERMINAL RESPONSE: OPEN CHANNEL 6.2.1A

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

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI

Maximum bit rate for uplink:

Maximum bit rate for downlink:

Guaranteed bit rate for uplink:

Guaranteed bit rate for downlink:

Guaranteed bit rate for downlink:

Maximum bit rate for uplink (extended):

0

Maximum bit rate for downlink (extended): 0 Guaranteed bit rate for uplink (extended): 0 Guaranteed bit rate for downlink (extended): 0 PDN Type: 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	0B	0B	09	40	40	40	40
	00	00	00	00	02	39	02	05	78			

TERMINAL RESPONSE: OPEN CHANNEL 6.2.1B

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 with modifications

Channel status Channel identifier 1 and link established or PDP context activated

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 64 kbps
Maximum bit rate for downlink: 64 kbps
Guaranteed bit rate for uplink: 64 kbps
Guaranteed bit rate for downlink: 64 kbps
Maximum bit rate for uplink (extended): 0

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: IP

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	07
	38	02	81	00	35	0B	0B	09	40	40	40	40
	00	00	00	00	02	39	02	05	78			

PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1

Same as PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1 in clause 27.22.4.28.3

TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1

Same as TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1 in clause 27.22.4.28.3

PROACTIVE COMMAND: OPEN CHANNEL 6.2.2

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 0 (Subscribed maximum bit rate for uplink)

Maximum bit rate for downlink: 0 (Subscribed maximum bit rate for downlink)

Guaranteed bit rate for uplink: 0 (Use the value indicated by the maximum bit rate for uplink)

Guaranteed bit rate for downlink: 0 (Use the value indicated by the maximum bit rate for downlink)

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: IP

Buffer

Buffer size: 1400 Network access name: Test12.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	46	81	03	01	40	01	82	02	81	82	35
·	0B	0B	09	00	00	00	00	00	00	00	00	02
	39	02	05	78	47	0A	06	54	65	73	74	31
	32	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	02	AD	9C	3E	05	21	01	01	01	01

TERMINAL RESPONSE: OPEN CHANNEL 6.2.2A

same as TERMINAL RESPONSE: OPEN CHANNEL 6.2.1A

TERMINAL RESPONSE: OPEN CHANNEL 6.2.2B

same as TERMINAL RESPONSE: OPEN CHANNEL 6.2.1B

Expected Sequence 6.3 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '02', with Network Access Name, with alpha identifier)

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	Set and configure APN "Test12.rs" in the terminal configuration if required	[see initial conditions]
2	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.3.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 6.3.1	
5	$ME \rightarrow USER$	The terminal shall display the alpha identifier "Open Channel for UICC?" during the confirmation phase	[IF NOT A.1/84 (No display) THEN the terminal shall ignore the alpha identifier]
6	USER → ME	The user confirms	[IF NOT A.1/85 (No keypad) THEN the terminal may open the channel without explicit confirmation by the user]
7	$\begin{array}{c} ME \to E- \\ USS \end{array}$	PDN CONNECTIVITY REQUEST	[The PDN CONNECTIVITY REQUEST shall contain the APN "Test12.rs"]
8	$USS \to ME$	ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST	[The E-UTRAN parameters are used]
8	$\begin{array}{c} ME \to E- \\ USS \end{array}$	ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT	
9	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 6.1.1	[Command performed successfully]

PROACTIVE COMMAND: OPEN CHANNEL 6.3.1

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 Channel for UICC?"

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: Test12.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level
Transport format: TCP
Port number: 44444

Port number: 44444

Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	5A	81	03	01	40	01	82	02	81	82	85
	16	4F	70	65	6E	20	43	68	61	6E	6E	65
	6C	20	66	6F	72	20	55	49	43	43	3F	35
	07	02	03	04	02	09	1F	02	39	02	05	78
	47	0A	06	54	65	73	74	31	32	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	02	AD
	9C	3E	05	21	01	01	01	01				

Expected Sequence 6.4 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '03', with alpha identifier, user did not accept the proactive command)

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	terminal configuration if required	[see initial conditions]
2	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.4.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND : OPEN CHANNEL 6.4.1	
5	ME → USER	The terminal shall display the alpha identifier "Open Channel for UICC?" during the confirmation phase	
6		The user rejects	
7	$ME \rightarrow E$ -USS	The terminal shall not send a PDN CONNECTIVITY REQUEST to the network	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN CHANNEL 6.4.1	[User did not accept proactive command]
9	ME → E-USS	The ME shall not send a PDN CONNECTIVITY DISCONNECT REQUEST to the network which would disconnect the default EPS bearer which has been established after the terminal has been powered up.	[Within this period the terminal shall not be switched off]

PROACTIVE COMMAND: OPEN CHANNEL 6.4.1

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 Channel for UICC?"

Bearer

Bearer type: Default bearer for requested transport layer

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: TCP, UICC in client mode, remote connection

Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	54	81	03	01	40	01	82	02	81	82	85
	16	4F	70	65	6E	20	43	68	61	6E	6E	65
	6C	20	66	6F	72	20	55	49	43	43	3F	35
	01	03	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	02	AD	9C	3E	05	21	01	01
	01	01										

TERMINAL RESPONSE: OPEN CHANNEL 6.4.1

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: Default bearer for requested transport layer

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	01	03	Note										
	Note:	The	buffer	size TL	V shall	be pre	sent an	d becau	ise th	e value dep	ends	in		
		this case on the terminal's implementation, the value shall be ignored												

Expected Sequence 6.5 (OPEN CHANNEL, immediate link establishment, E-UTRAN, bearer type '03' – Default EPS bearer)

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$		[see initial conditions]
		terminal configuration if required	
2	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		OPEN CHANNEL 6.5.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND : OPEN	
		CHANNEL 6.5.1	
5	$ME \rightarrow USER$	The ME may display channel opening	
		information	
6	$ME \to E$ -	The terminal shall not send a PDN	
	USS	CONNECTIVITY REQUEST to the	
		network	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE : OPEN	[Command performed successfully]
		CHANNEL 6.5.1A	
		or	
		TERMINAL RESPONSE : OPEN	
		CHANNEL 6.5.1B	

PROACTIVE COMMAND: OPEN CHANNEL 6.5.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC Destination device: ME

Bearer

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: 1400 UICC/ME interface transport level

Transport format: TCP, UICC in client mode, remote connection

Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	1C	81	03	01	40	01	82	02	81	82	35
	01	03	39	02	05	78	3C	03	02	AD	9C	3E
	05	21	01	01	01	01						

TERMINAL RESPONSE: OPEN CHANNEL 6.5.1A

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

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00
	38	02	81	00	35	01	03	39	02	05	78	

TERMINAL RESPONSE: OPEN CHANNEL 6.5.1B

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

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 64 kbps
Maximum bit rate for downlink: 64 kbps
Guaranteed bit rate for uplink: 64 kbps
Guaranteed bit rate for downlink: 64 kbps

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: 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	0B	0B	09	40	40	40	40
	00	00	00	00	02	39	02	05	78			

27.22.4.27.6.5 Test requirement

The ME shall operate in the manner defined in expected sequences 6.1 to 6.5.

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: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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 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	$ME \rightarrow USER$	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 → UICC	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	[Command performed successfully]
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	$ME \to USS$	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]

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number:

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	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 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	0.3	F8							

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: 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
--	----------	----	----	----	----	----	----	----	----	----	----	----	----

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	
		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	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		1.2.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND:	
		CLOSE CHANNEL 1.2.1	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Invalid channel number]
		CHANNEL 1.2.1	_

PROACTIVE COMMAND: CLOSE CHANNEL 1.2.1

Logically:

Command details

Command number:

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	111L / 0100	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 → UICC	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN	[Command performed successfully]
		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 → UICC	TERMINAL RESPONSE CLOSE CHANNEL 1.3.1A or TERMINAL RESPONSE CLOSE	[Channel closed] [Channel identifier invalid]
		CHANNEL 1.3.1B	

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:

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	1.1.1 FETCH	
3	$\text{UICC} \rightarrow \text{ME}$	PROACTIVE COMMAND:	
	OIOO IVIL	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		PDP context activation accept	
7		TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or	
8	$UICC \to ME$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B PROACTIVE COMMAND PENDING: CLOSE CHANNEL 2.1.1A	
0	ME LUCC	FETCH	
9		PROACTIVE COMMAND:	[alpha identifier is displayed with left
10	OICC - IVIL	CLOSE CHANNEL 2.1.1	alignment]
11	$ME \to USS$	PDP context deactivation	
		request	
12	USS → ME	PDP context deactivation accept	
13	$ME \rightarrow UICC$	CHANNEL 2.1.1	[Command performed successfully]
14	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL	
15	$ME \rightarrow UICC$	1.1.1 FETCH	
16	$UICC \rightarrow ME$	PROACTIVE COMMAND:	
	OIOO - IVIL	OPEN CHANNEL 1.1.1	
17	$ME \to USER$	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	
04		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
		2.1.2	
22	$ME \rightarrow UICC$	FETCH	
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.1.2	[Message shall be formatted without left alignment. Remark: If left alignment is 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	
25	$USS \to ME$	request 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: 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 2.1.2

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 0

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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 LUCC	1.1.1 FETCH	
3	/ 0.00	PROACTIVE COMMAND:	
3	OICC → IVIE	OPEN CHANNEL 1.1.1	
4	MF → USER	The ME may display channel	
	WE 700ER	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 CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: CLOSE CHANNEL	
		2.2.1	
9		FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND:	[alpha identifier is displayed with center
4.4	ME 1100	CLOSE CHANNEL 2.2.1	alignment]
11	$ME \rightarrow USS$	PDP context deactivation request	
12	$USS \to ME$	PDP context deactivation accept	
13	ME → UICC	T	[Command performed successfully]
	WIE 7 0100	CHANNEL 2.2.1	[Command performed desceeding)]
14	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
4.5		1.1.1	
15	/ 0.00	FETCH PROACTIVE COMMAND:	
16	$UICC \to ME$	OPEN CHANNEL 1.1.1	
17	$ME \rightarrow USER$	The ME may display channel	
	, 002it	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 ITERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		2.2.2	
22	ME → UICC	FETCH	
23	$UICC \to ME$	PROACTIVE COMMAND:	[Message shall be formatted without center
		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	$ME \to USS$	PDP context deactivation	, a.e., 20, 110 angintion origing will take place]
	/ 555	request	
25	$USS \to ME$	PDP context deactivation accept	
26	$ME \to UICC$		[Command performed successfully]
		CHANNEL 2.2.1	

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	ì
	85	0A	43	6C	6F	73	65	20	49	44	20	ì
	32											1

TERMINAL RESPONSE: CLOSE CHANNEL 2.2.1

Logically:

Command details

Command number:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

BER-TLV:	01	0.3	01	/11	00	92	02	92	01	92	01	00
DEK-ILV.	01	US	UI	41	UU	02	02	02	01	೦೦	UI	UU

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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	
_	ME LICC	information PDP context activation request	
5 6		PDP context activation request	
7	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
'	INIE → OICC	CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		CLOSE CHANNEL 2.3.1	
9		FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with right
11	ME LIGO	CHANNEL 2.3.1	alignment]
11 12		PDP context deactivation request PDP context deactivation accept	
13		TERMINAL RESPONSE CLOSE	[Command performed successfully]
13	INE → OICC	CHANNEL 2.3.1	[Command performed successfully]
14	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
	OIOO / IVIL	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 opening	
40	ME 1100	information	
18		PDP context activation request	
19 20		PDP context activation accept TERMINAL RESPONSE: OPEN	[Command parformed augocoefully]
20	$ME \rightarrow UICC$	CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND PENDING:	
		CLOSE CHANNEL 2.3.2	
22	, 0.00	FETCH	TRACTICAL CONTRACTOR OF THE CO
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.3.2	[Message shall be formatted without right alignment. Remark: If right alignment is
		CHANNEL 2.3.2	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	$ME \to UICC$	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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
	ME	PENDING: OPEN CHANNEL 1.1.1	
2	$ME \to UICC$ $UICC \to ME$	FETCH PROACTIVE COMMAND:	
3	UICC → 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	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A lor	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 / III.	PENDING: CLOSE CHANNEL	
		2.4.1	
9	/ 0.00	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.4.1	[alpha identifier is displayed with large font size]
11	$ME \to USS$	PDP context deactivation request	SIZE
12	USS → ME	PDP context deactivation accept	
13	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.4.1	
14	$UICC \to ME$	PROACTIVE COMMAND	
15	ME LUCC	PENDING: OPEN CHANNEL 1.1.1 FETCH	
16	$ME \rightarrow UICC$ $UICC \rightarrow ME$	PROACTIVE COMMAND:	
10	OICC → IVIE	OPEN CHANNEL 1.1.1	
17	$ME \to USER$	The ME may display channel	
		opening information	
18	$ME \rightarrow USS$	PDP context deactivation request	
19	USS → ME	PDP context deactivation accept	10
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 2.4.2	
22	$ME \to UICC$	FETCH	
23	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with normal font
		CHANNEL 2.4.2	size]
24	$ME \rightarrow USS$	PDP context deactivation request	
25	USS → ME	PDP context deactivation accept	[Commond nonformed access (!!]
26	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.4.1	[Command performed successfully]
27	$UICC \to ME$	PROACTIVE COMMAND	
-	JIGO / 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 → ME	PDP context activation accept	
33	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		Or TERMINIAL RESPONSE: OREN	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
i l	1	OI WANTED I.I.I.D	!

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	$ME \to USS$	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 2.4.3	
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
	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:

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND:	
3	UICC → 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	[Command performed successfully]
		CHANNEL 1.1.1A lor	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	0.00 / <u>-</u>	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 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]
		CHANNEL 2.5.1	
14	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
15	ME → UICC	FETCH	
16	$UICC \rightarrow ME$	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 → 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		2.5.2	
22 23		FETCH	[alpha identifier is displayed with normal fant
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.5.2	[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	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
27	LUCC	CHANNEL 2.5.1 PROACTIVE COMMAND	
21	$UICC \to ME$	PENDING: OPEN CHANNEL 1.1.1	
28	$ME \to UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND:	
00	NAE 11055	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 → 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	
	•	•	· '

34	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
35	ME → UICC	2.5.1 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	$UICC \to ME$	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	$ME \rightarrow UICC$	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:

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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
	ME :::00	PENDING: OPEN CHANNEL 1.1.1	
2	$ME \rightarrow UICC$ $UICC \rightarrow ME$	FETCH PROACTIVE COMMAND:	
3	UICC → ME	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	IO-managed and an artist and a second at the I
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	
		2.6.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold on]
	ME 1100	CHANNEL 2.6.1	
11		PDP context deactivation request	
12 13	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	PDP context deactivation accept TERMINAL RESPONSE CLOSE	[Command performed successfully]
13	IVIE -> UICC	CHANNEL 2.6.1	[Command performed successfully]
14	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
15	ME → 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		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 2.6.2	
22	$ME \to UICC$	FETCH	
23	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold off]
		CHANNEL 2.6.2	
24	ME → USS	PDP context deactivation request	
25 26	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	PDP context deactivation accept TERMINAL RESPONSE CLOSE	[Command performed successfully]
20	IVIL -> UICC	CHANNEL 2.6.1	[Sommand ponomied successfully]
27	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
28	ME → 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 → USS	PDP context activation request	
32	USS → ME	PDP context activation accept	[Command parformed consecutive]
33	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	

34	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
0.5		2.6.1	
35	ME → UICC	FETCH	
36	$UICC \to ME$	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 CHANNEL 2.6.1	[Command performed successfully]
40	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
41	ME → UICC	FETCH	
42	UICC → ME	PROACTIVE COMMAND:	
	0.00 /	OPEN CHANNEL 1.1.1	
43	ME → 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	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
47		CHANNEL 1.1.1B	
47	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL 2.6.3	
48	ME → UICC	FETCH	
49	UICC → ME	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold off]
75		CHANNEL 2.6.3	[cipila lacitifici la displayed with bold oil]
50	ME → USS	PDP context deactivation request	
51	USS → ME	PDP context deactivation accept	
52	ME → 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:

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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
2	ME LUGO	PENDING: OPEN CHANNEL 1.1.1	
2	$ME \to UICC$ $UICC \to ME$	FETCH PROACTIVE COMMAND:	
3	UICC → 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 lor	
		TERMINAL RESPONSE: OPEN	
8	$UICC \to ME$	CHANNEL 1.1.1B PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		2.7.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold on]
11	ME o USS	CHANNEL 2.7.1 PDP context deactivation request	
12	USS → ME	PDP context deactivation request	
13	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
	WIE 7 0100	CHANNEL 2.7.1	[[
14	$UICC \to ME$	PROACTIVE COMMAND	
4-		PENDING: OPEN CHANNEL 1.1.1	
15	ME → UICC	FETCH	
16	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
17	$MF \rightarrow USFR$	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 lor	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
21	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
22	ME o UICC	2.6.2 FETCH	
23	UICC → ME	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold off]
	2.20 / WIL	CHANNEL 2.7.2	La la supray ou man both on
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]
27	$UICC \to ME$	CHANNEL 2.7.1 PROACTIVE COMMAND	
- '		PENDING: OPEN CHANNEL 1.1.1	
28	$ME \to UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND:	
0.5		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	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A	
		or	
		TERMINAL RESPONSE: OPEN	
1	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	$ME \to USS$	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	$ME \to UICC$	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	$ME \rightarrow UICC$	FETCH	
49	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with bold off]
		CHANNEL 2.7.3	
50	$ME \to USS$	PDP context deactivation request	
51	$USS \to ME$	PDP context deactivation accept	
52	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 2.7.1	[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:

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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	
2	$ME \to UICC$ $UICC \to ME$	PROACTIVE COMMAND:	
3	UICC → IVIE	OPEN CHANNEL 1.1.1	
4	$ME \rightarrow USER$		
		opening information	
5	$ME \rightarrow USS$	PDP context activation request	
6	USS → ME	PDP context activation accept	
/	$ME \rightarrow UICC$	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 2.8.1	
9	ME → UICC	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with underline on]
		CHANNEL 2.8.1	
11		PDP context deactivation request	
12 13	$\begin{array}{c} USS \to ME \\ ME \to UICC \end{array}$	PDP context deactivation accept TERMINAL RESPONSE CLOSE	[Command performed successfully]
13	INE → OICC	CHANNEL 2.8.1	[Command performed successfully]
14	$UICC \to ME$		
		PROACTIVE COMMAND	
15	ME LUCC	PENDING: OPEN CHANNEL 1.1.1 FETCH	
16	$ME \to UICC$ $UICC \to ME$	PROACTIVE COMMAND:	
10		OPEN CHANNEL 1.1.1	
17	$ME \rightarrow USER$	The ME may display channel	
40		opening information	
18 19	ME → 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 -> OICC	CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
21	$UICC \to ME$	CHANNEL 1.1.1B PROACTIVE COMMAND	
-		PENDING: CLOSE CHANNEL	
		2.8.2	
22	$ME \rightarrow UICC$	FETCH	
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.8.2	[alpha identifier is displayed with underline off]
24	$ME \to USS$	PDP context deactivation request	
25	USS → ME	PDP context deactivation accept	
26	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.8.1	
27	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL 1.1.1	
28	$ME \rightarrow UICC$	FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND:	
	ME	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	$USS \to ME$	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 → ME	PROACTIVE COMMAND: CLOSE CHANNEL 2.8.1	[alpha identifier is displayed with underline on]
37	$ME \rightarrow USS$	PDP context deactivation request	
38	$USS \to ME$	PDP context deactivation accept	
39	ME → UICC	TERMINAL RESPONSE CLOSE CHANNEL 2.8.1	[Command performed successfully]
40	$UICC \to ME$	DDC A CTIV /F COLANA A ND	
		PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
41	ME → 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 → ME	PDP context activation accept	
46	ME → UICC	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
47	UICC → ME	PROACTIVE COMMAND	
''	0.00 /2	PENDING: CLOSE CHANNEL	
40		2.8.3	
48	ME → UICC	FETCH	
49	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.8.3	[alpha identifier is displayed with underline 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 2.8.1	[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: 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 2.8.1

Logically:

Command details

Command number:

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
	• •		• •			~-	~-	~-	.		• .	

27.22.4.28.2.8.5 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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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
	ME	PENDING: OPEN CHANNEL 1.1.1	
2	$ME \to UICC$ $UICC \to ME$	FETCH PROACTIVE COMMAND:	
3	UICC → IVIE	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 lor	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL 2.9.1	
9	ME → UICC	FETCH	
10	UICC → ME	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with strikethrough
		CHANNEL 2.9.1	on]
11		PDP context deactivation request	
12	$USS \to ME$	PDP context deactivation accept	
13	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
14	UICC → ME	CHANNEL 2.9.1 PROACTIVE COMMAND	
'-		PENDING: OPEN CHANNEL 1.1.1	
15	$ME \rightarrow UICC$	FETCH	
16	$UICC \to ME$	PROACTIVE COMMAND:	
1		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 → 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 → ME	PROACTIVE COMMAND	
	0.00 /2	PENDING: CLOSE CHANNEL	
		2.9.2	
22	$ME \rightarrow UICC$	FETCH	
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE	[alpha identifier is displayed with strikethrough
24	$ME \to USS$	CHANNEL 2.9.2 PDP context deactivation request	off]
25	USS → ME	PDP context deactivation accept	
26	ME → UICC	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.9.1	
27	$UICC \to ME$	PROACTIVE COMMAND	
28	ME → UICC	PENDING: OPEN CHANNEL 1.1.1 FETCH	
29	$UICC \to ME$	PROACTIVE COMMAND:	
23		OPEN CHANNEL 1.1.1	
30	$ME \rightarrow USER$	The ME may display channel	
		opening information	
31	ME → USS	PDP context activation request	
32 33	USS → ME	PDP context activation accept TERMINAL RESPONSE: OPEN	[Command performed successfully]
33	$ME \rightarrow UICC$	CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
1	l	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

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:

Command type: CLOSE CHANNEL

Command qualifier: RFU

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

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: 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 1.1.1A	[Command performed successfully]
		or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL	
		2.10.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.10.1	[alpha identifier is displayed with foreground and background colour according to the text attribute configuration]
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]
4.4		CHANNEL 2.10.1	
14	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	
15	$ME \rightarrow UICC$	FETCH	
16	$UICC \rightarrow ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 1.1.1	
17	$ME \to USER$	The ME may display channel	
40		opening information	
18	ME → USS	PDP context activation request	
19	USS → ME	PDP context activation accept	[Command parformed augeografiche]
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	
20	ME	2.10.2	
22	ME → UICC	FETCH	Inland identifier is displayed with ME"s default
23	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 2.10.2	[alpha identifier is displayed with ME"s default foreground and background colour]
24	$ME \to USS$	PDP context deactivation request	isosgisana ana baongisana coloarj
25	USS → ME	PDP context deactivation accept	
26	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 2.10.1	

PROACTIVE COMMAND: CLOSE CHANNEL 2.10.1

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 2.10.2

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.

27.22.4.28.3 CLOSE CHANNEL(E-UTRAN/EPC)

27.22.4.28.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.3.2 Conformance requirements

The ME shall support the class "e" commands and E-UTRAN as defined in:

- TS 31.111 [15].

27.22.4.28.3.3 Test purpose

To verify that the ME shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error, invalid channel identifier);

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.

27.22.4.28.3.4 Method of Test

27.22.4.28.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level:Same UICC/ME transport interface level as defined in 27.22.4.27.6.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.6.4.1.

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.

27.22.4.28.3.4.2 Procedure

Expected sequence 3.1 (CLOSE CHANNEL, Default EPS bearer, successful)

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	Set and configure APN	[see initial conditions]
		"TestGp.rs" in the terminal	
		configuration if required	
2	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
		6.6.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 6.6.1	
5	$ME \rightarrow USER$	The ME may display channel	
		opening information	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 6.6.1A	
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 6.6.1B	
7	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		3.1.1	
8	$ME \rightarrow UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND:	
		CLOSE CHANNEL 3.1.1	
10	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE	[Command performed successfully]
		CHANNEL 3.1.1	
11	$USER \to ME$	Wait 30 seconds, then switch off	
		the terminal	

PROACTIVE COMMAND: OPEN CHANNEL 6.6.1

Same as PROACTIVE COMMAND: OPEN CHANNEL 6.5.1 in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.6.1A

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.5.1A in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.6.1B

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.5.1B in clause 27.22.4.27.6.4.

PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1

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										
	BER-TLV:	D0	09		01	41	00	ハつ	81	

TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1

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

Expected sequence 3.2 (CLOSE CHANNEL, EPS bearer with APN different from default APN, successful)

Step	Direction	MESSAGE / Action	Comments
1	$USER \rightarrow ME$	Set and configure APN	[see initial conditions]
		"Test12.rs" in the terminal	
		configuration if required	
2	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: OPEN CHANNEL	
		6.3.1	
3	$ME \rightarrow UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND:	
		OPEN CHANNEL 6.3.1	
5	$ME \rightarrow USER$	The ME may display channel	
		opening information	
6	$ME \rightarrow E\text{-}USS$	PDN CONNECTIVITY	
		REQUEST	
7	$ME \rightarrow E$ -USS	ACTIVATE DEFAULT EPS	
		BEARER CONTEXT REQUEST	
8	$USS \to ME$	ACTIVATE DEFAULT EPS	
		BEARER CONTEXT ACCEPT	
9	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 6.1.1	
10	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: CLOSE CHANNEL	
		3.2.1	
11		FETCH	
12	$UICC \to ME$	PROACTIVE COMMAND:	
		CLOSE CHANNEL 3.2.1	
13	$ME \rightarrow E-USS$	The ME shall send a PDN	
		CONNECTIVITY DISCONNECT	
		REQUEST to the network	
		disconnect only the EPS bearer	
		which has been established with	
4.4		the Open Channel command	
14	$ME \rightarrow E-USS$	DEACTIVATE EPS BEARER	
45		CONTEXT REQUEST	
15	E-USS → ME	DEACTIVATE EPS BEARER	
40	145	CONTEXT ACCEPT	[O - m m - m d m - m - d - m - m - d - m - m
16	$ME \rightarrow UICC$		[Command performed successfully]
47	11050 115	CHANNEL 3.2.1	
17		Wait 30 seconds then switch off	
		the terminal	

PROACTIVE COMMAND: OPEN CHANNEL 6.3.1

Same as PROACTIVE COMMAND: OPEN CHANNEL 6.3.1 in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.1.1

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.1.1 in clause 27.22.4.27.6.4.

PROACTIVE COMMAND: CLOSE CHANNEL 3.2.1

Same as TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1 as used in sequence 3.1

TERMINAL RESPONSE: CLOSE CHANNEL 3.2.1

Same as TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1 as used in sequence 3.1

27.22.4.28.3.10.5 Test Requirement

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

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 and additionally E-UTRAN for sequence 1.2 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 for sequence 1.1.

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: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

For sequence 1.2 the default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are

used:

Network access name: TestGp.rs User login: UserLog User password: UserPwd

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.6.4.1

Data destination address: Sames Data Destination Address as defined in 27.22.4.27.6.4.1.

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	
	NAT LUCC	1.1.1 PENDING	
2	ME → UICC	PROACTIVE COMMAND: SET UP EVENT LIST	
3	$UICC \to ME$	11.1.1	
4	ME → UICC	TERMINAL RESPONSE: SET UP EVENT LIST	
	/ 5.55	1.1.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	
6	ME → UICC	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9	$ME \rightarrow USS$	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	$ME \to UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA	
4.5		(immediate) 1.1.1	TT (: NAT! () 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 → UICC	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
. •		(immediate) 1.1.1	[Command personned edecederany]
17	$USS \to ME$	Transfer of 1000 Bytes of data to the ME through	
		channel 1 using the ME's port number, which was	
18	ME → UICC	retrieved in step 15 ENVELOPE: EVENT DOWNLOAD - Data	(1000 Bytes of data in the ME buffer)
10		available 1.1.1	(1000 Bytes of data in the ME buller)
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 1.1.1	
20			
21			200 Bytes
22		TERMINAL RESPONSE: RECEIVE DATA 1.1.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
24	ME → UICC	DATA 1.1.2 FETCH	
25		PROACTIVE COMMAND: RECEIVE DATA 1.1.2	200 Bytes
26		TERMINAL RESPONSE: RECEIVE DATA 1.1.2	
27	UICC → 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 → UICC		
31	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
32	ME → UICC	DATA 1.1.4 FETCH	
33	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 1.1.4	200 Bytes
34	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 1.1.4	200 Dyioo
35	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE	
	3.00 / WIL	DATA 1.1.5	
36	$ME \rightarrow UICC$	FETCH	
37	$UICC \to ME$		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										l

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:	Ι Ω1	U.S	Λ1	05	00	22	02	82	Ι Ω1	83	Λ1	00
	1 01	1 03		1 00	1 00	02	02	02	101	1 00		1 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	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

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
_	80	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	B7
	01	C8										

PROACTIVE COMMAND: RECEIVE DATA 1.1.3

Logically:

Command details

Command number: 3

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: 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	B7
	01	C8										

PROACTIVE COMMAND: RECEIVE DATA 1.1.4

Logically:

Command details

Command number: 4

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: 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
	B6	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
	В6	81	C8	90	91	92		FF	00	01	02	
	57	B7	01	FF								

TERMINAL RESPONSE: RECEIVE DATA 1.1.4

Logically:

Command details

Command number: 4

Command type: RECEIVE DATA

Command qualifier: RFU

Device identities

Source device: 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
	B6	81	C8	58	59	5A		FF	00	01	02	
	1F	B7	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
	B6	81	C8	20	21	22		F7	B7	01	00	

Expected sequence 1.2 (RECEIVE DATA, already opened channel, E-UTRAN, APN different from default)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
	0.00 /	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	
		1.1.1	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
6	ME	CHANNEL 1.2.1 FETCH	
7	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	PROACTIVE COMMAND: OPEN CHANNEL	
'	UICC → ME	1.2.1	
8	MF → USER	The ME should not display channel opening	
	IME 700ER	information	
9	$ME \rightarrow E\text{-USS}$	PDN CONNECTIVITY REQUEST	[The PDN CONNECTIVITY REQUEST
			shall contain the APN "Test12.rs"]
10	E -USS \rightarrow ME	ACTIVATE DEFAULT EPS BEARER CONTEXT	[The E-UTRAN parameters are used]
		REQUEST	
11	$ME \rightarrow E-USS$	ACTIVATE DEFAULT EPS BEARER CONTEXT	
12	ME LUCC	ACCEPT TERMINAL RESPONSE: OPEN CHANNEL 1.2.1	
13	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND	
13		DATA 1.2.1	
14	$ME \rightarrow UICC$		
15		PROACTIVE COMMAND: SEND DATA	
	0.00 7.11.2	(immediate) 1.2.1	
16	$ME \rightarrow E\text{-USS}$		[To retrieve ME's port number at the
		channel 1	Access Point defined in the Open
			Channel command]
17	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
40	ELIOO ME	(immediate) 1.2.1	Continue the Assess Deint different to
18	E-USS → ME	Transfer of 1000 Bytes of data to the ME through channel 1 using the ME's port number, which was	[Sent from the Access Point different to
		retrieved in step 15	and one of the delatit Er o bearer
19	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Data	(1000 Bytes of data in the ME buffer)
		available 1.2.1	, , , , , , , , , , , , , , , , , , , ,
20	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 1.2.1	
21	$ME \rightarrow UICC$		
22		PROACTIVE COMMAND: RECEIVE DATA 1.2.1	200 Bytes
23		TERMINAL RESPONSE: RECEIVE DATA 1.2.1	
24	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
25	ME	DATA 1.2.2 FETCH	
25	ME → UICC	PROACTIVE COMMAND: RECEIVE DATA 1.2.2	200 Putos
26 27		TERMINAL RESPONSE: RECEIVE DATA 1.2.2	200 Bytes
28	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
20		DATA 1.2.3	
29	$ME \rightarrow UICC$	FETCH	
30	, 0.00		200 Bytes
31		TERMINAL RESPONSE: RECEIVE DATA 1.2.3	, , , , , , , , , , , , , , , , , , ,
32	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 1.2.4	
33		FETCH	
34		PROACTIVE COMMAND: RECEIVE DATA 1.2.4	200 Bytes
35		TERMINAL RESPONSE: RECEIVE DATA 1.2.4	
36	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 1.2.5	
37		FETCH	
38		PROACTIVE COMMAND: RECEIVE DATA 1.2.5	200 Bytes
39	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 1.2.5	

40	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE	
		CHANNEL 1.2.1	
41	$ME \rightarrow UICC$	FETCH	
42	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL	
		1.2.1	
43	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL	[Command performed successfully]
		1.2.1	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Same as PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 in expected sequence 1.1

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Same as TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1 in expected sequence 1.1

PROACTIVE COMMAND: OPEN CHANNEL 1.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: UICC
Destination device: ME
Alpha Identifier: empty

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
Mean throughput class: 31
Packet data protocol: 02 (IP)

Buffer

Buffer size: 1400 Network access name: Test12.rs

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP
Port number: 44444
Data destination address 01.01.01.01

Coding:

BER-TLV:	D0	44	81	03	01	40	01	82	02	81	82	85
	00	35	07	02	03	04	02	09	1F	02	39	02
	05	78	47	0A	06	54	65	73	74	31	32	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
	02	AD	9C	3E	05	21	01	01	01	01		

TERMINAL RESPONSE: OPEN CHANNEL 1.2.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Channel status Channel identifier 1 and link established or PDP context activated

Bearer description

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Bearer parameter:

Precedence Class: 03
Delay Class: 04
Reliability Class: 02
Peak throughput class: 09
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	02	09	1F
	02	39	02	05	78							

PROACTIVE COMMAND: SEND DATA 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Send Immediately

Device identities

Source device: UICC
Destination device: Channel 1

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 1.2.1

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 1.2.1

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 1.2.1

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 1.2.2

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	B7
	01	C8										

PROACTIVE COMMAND: RECEIVE DATA 1.2.3

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	B7
	01	C8										

PROACTIVE COMMAND: RECEIVE DATA 1.2.4

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 1.2.5

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 1.2.1

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	

TERMINAL RESPONSE: RECEIVE DATA 1.2.2

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 1.2.3

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	B7	01	FF								

TERMINAL RESPONSE: RECEIVE DATA 1.2.4

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
	B6	81	C8	58	59	5A		FF	00	01	02	
	1F	B7	01	C8								

TERMINAL RESPONSE: RECEIVE DATA 1.2.5

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
	B6	81	C8	20	21	22		E7	B7	01	00	

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 1

Coding:

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

TERMINAL RESPONSE: CLOSE CHANNEL 1.2.1

Logically:

Command details

Command number:

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

27.22.4.29.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.1 to 1.2.

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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Sames Data Destination Address as defined in 27.22.4.27.2.4.1.

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 → UICC	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	
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	$ME \rightarrow USS$	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	$ME \to USS$	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 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 available 2.1.1ENVELOPE (Data Available)	(400 Bytes of data in the ME buffer)
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.1.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.1.1	200 Bytes with alpha identifier is displayed with left alignment
22	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.1.1	
23	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.1.2	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \to ME$	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 place
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.1.1	F 1-51-5

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	B7	01	C8	D0	04	00	0F	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.1.2

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

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	B7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.1.1

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
	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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.29.2.2.4.2 Procedure

Expected sequence 2.2 (RECEIVE DATA, with Text Attribute – Center Alignment)

1 UICC → ME PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 PENDING 2 ME → UICC FETCH	
2 ME LUCCIFETCH	
3 UICC → ME PROACTIVE COMMAND: SET UP EVENT LIST	
$ 1.1.1 $ 4 ME \rightarrow UICC TERMINAL RESPONSE: SET UP EVENT LIST	
4 ME → UICC TERMINAL RESPONSE: SET UP EVENT LIST	
5 UICC → ME PROACTIVE COMMAND PENDING: OPEN See initial condit	tions
CHANNEL 1.1.1	liono
6 ME → UICC FETCH	
7 UICC → ME PROACTIVE COMMAND: OPEN CHANNEL	
1.1.1	
8 ME \rightarrow The ME may display channel opening information	
USER	
9 ME → USS PDP context activation request	
10 USS → ME PDP context activation accept	
	ormed successfully]
1.1.1A	
or TERMINAL RESPONSE: OPEN CHANNEL	
1.1.1B	
12 UICC → ME PROACTIVE COMMAND PENDING: SEND	
DATA 1.1.1	
13 ME → UICC FETCH	
14 UICC → ME PROACTIVE COMMAND: SEND DATA	
(immediate) 1.1.1	
15 ME → USS Transfer of 8 Bytes of data to the USS through [To retrieve ME's	s port number]
channel 1 16 ME → UICC TERMINAL RESPONSE: SEND DATA [Command perfo	ormed successfully]
(immediate) 1.1.1	offiled successfully]
17 USS → ME Transfer of 400 Bytes data to the ME through	
channel 1 using the ME's port number, which was	
retrieved in step 15	
	ata in the ME buffer)
available 2.1.1	
19 UICC → ME PROACTIVE COMMAND PENDING: RECEIVE	
DATA 2.2.1 20 ME → UICC FETCH	
20 ME → UICC FETCH 21 UICC → ME PROACTIVE COMMAND: RECEIVE DATA 2.2.1 200 Bytes with a	alpha identifier is
displayed with co	
22 ME → UICC TERMINAL RESPONSE: RECEIVE DATA 2.2.1	onto angrimont
23 UICC → ME PROACTIVE COMMAND PENDING: RECEIVE	
DATA 2.2.2	
24 ME → UICC FETCH	
	alpha identifier shall be
	ut center alignment.
	er alignment is the
	gnment as declared in alignment change will
table A.2/21, no take place	angiment change will
26 ME → 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:

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	B7	01	C8	D0	04	00	0E	01	B4

PROACTIVE COMMAND: RECEIVE DATA 2.2.2

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

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	B7	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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME IIIOO	1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
	OIOO / IVIL	CHANNEL 1.1.1	oce miliai conditions
6	$ME \to UICC$	FETCH	
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL	
		1.1.1	
8	$ME \rightarrow USER$	The ME may display channel opening information	
9	$ME \rightarrow USS$	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	
	OIOO / IVIL	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]
40		channel 1	
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 1.1.1	[Command performed successfully]
17	$USS \to ME$	Transfer of 400 Bytes data to the ME through	
	OOO / WIL	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)
		available 2.1.1	
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
	NAE 11100	DATA 2.3.1	
20	ME → UICC	FETCH	200 Putos with alpha identification
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.3.1	200 Bytes with alpha identifier is displayed with right alignment
22	$ME \to UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.3.1	uispiayeu wiiii rigiit aligiiment
23	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE	
20		DATA 2.3.2	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \to ME$		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
26	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.3.1	place
20	IVIE → UICC	TEINIMAL RESPONSE. RECEIVE DATA 2.3.1	

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 2.3.1

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: 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	B7	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	B7	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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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 → 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				
		CHANNEL 1.1.1	oce miliai 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	$ME \rightarrow USS$	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		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]				
17	LICO 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	<u> </u>				
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE					
		DATA 2.4.1					
20	ME → UICC	FETCH	000 5				
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.4.1	200 Bytes with alpha identifier is				
22	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.4.1	displayed with large font size				
23	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE					
20		DATA 2.4.2					
24	$ME \rightarrow UICC$	FETCH					
25	$UICC \rightarrow ME$	PROACTIVE COMMAND: RECEIVE DATA 2.4.2	200 Bytes with alpha identifier is				
			displayed with normal font size				
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.4.1					
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE					
00	NAE 11100	DATA 2.4.1					
28	ME → UICC	FETCH	200 Distance with alpha ideas the attention in				
29	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.4.1	200 Bytes with alpha identifier is displayed with large font size				
30	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.4.1	uispiayeu witii large lont size				
31	$VICC \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE					
		DATA 2.4.3					
32	$ME \rightarrow UICC$	FETCH					
33	$UICC \rightarrow ME$		200 Bytes with alpha identifier is				
			displayed with normal font size				
34	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.4.1					

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 2.4.1

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	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.4.3

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 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 2.4.1

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	

27.22.4.29.2.4.5 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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST					
2	$ME \rightarrow UICC$	1.1.1 PENDING FETCH					
3	UICC → ME	PROACTIVE COMMAND: SET UP EVENT LIST					
	0.00 /	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				
	OICC → IVIE	CHANNEL 1.1.1	See Illitial Collditions				
6	$ME \rightarrow UICC$	FETCH					
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL					
0	ME LUCED	1.1.1 The ME may display channel opening information					
8	$ME \rightarrow USER$ $ME \rightarrow USS$	PDP context activation request					
10	USS → ME	PDP context activation accept					
11	ME → UICC	TERMINAL RESPONSE: OPEN CHANNEL	[Command performed successfully]				
		1.1.1A	, , , , , , , , , , , , , , , , , , , ,				
		Or					
		TERMINAL RESPONSE: OPEN CHANNEL					
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND					
		DATA 1.1.1					
13	ME → 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	$USS \to ME$	(immediate) 1.1.1 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)				
19	$UICC \to ME$	available 2.1.1 PROACTIVE COMMAND PENDING: RECEIVE					
13	OICC → IVIE	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				
22	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.5.1	displayed with small font size				
23	$VICC \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE					
	OIOO / IVIL	DATA 2.5.2					
24	$ME \rightarrow UICC$	FETCH					
25	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.5.2	200 Bytes with alpha identifier is				
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.5.1	displayed with normal font size				
27	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE					
	0.00 /	DATA 2.5.1					
28	$ME \rightarrow UICC$	FETCH					
29	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.5.1	200 Bytes with alpha identifier is				
30	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.5.1	displayed with small font size				
31	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE					
		DATA 2.5.3					
32	ME → UICC	FETCH	5.3. 200 Bytes with alpha identifier is				
33	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.5.3	5.3 200 Bytes with alpha identifier is displayed with normal font size				
34	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.5.1	anspiayed with normal fort size				

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: 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, 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	08	B4

PROACTIVE COMMAND: RECEIVE DATA 2.5.2

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	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.5.3

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 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:

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	

27.22.4.29.2.5.5 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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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
	OIGG / WIE	CHANNEL 1.1.1	oce ministration of the control of t
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	$ME \rightarrow USS$	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	
'-	OIOO / 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	LICO 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 = 555
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	TERMINAL 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	UICC → ME	PROACTIVE COMMAND: RECEIVE DATA 2.6.2	200 Bytes with alpha identifier is
	J.55 / W.L		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 LUGG	TERMINIAL DECRONOS, DECENTS DATA CO. 4	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 UICC $		200 Bytes with alpha identifier is
			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	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.6.3

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 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

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	

27.22.4.29.2.6.5 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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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 → 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	
-	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	[Command narformed augocofully]
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]
10	IVIL -> 000	Ichannel 1	[10 Tetrieve WE 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	
18	ME LUCC	retrieved in step 15 ENVELOPE: EVENT DOWNLOAD - Data	(200 Putos of data in the ME huffer)
10	$ME \rightarrow UICC$	available 2.1.1ENVELOPE	(800 Bytes of data in the ME buffer)
19	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
	0.00 /	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 RESENTEDATA S.7.4	displayed with italic on
22		TERMINAL RESPONSE: RECEIVE DATA 2.7.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.7.2	
24	ME → UICC	FETCH	
25	UICC → ME	PROACTIVE COMMAND: RECEIVE DATA 2.7.2	200 Bytes with alpha identifier is
1			displayed with italic off
26	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.7.1	
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.7.1	
28	ME → UICC	FETCH	200 Distance with alpha identification
29	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.7.1	200 Bytes with alpha identifier is
30	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.7.1	displayed with italic on
31	$VICC \rightarrow ME$	PROACTIVE COMMAND PENDING: RECEIVE	
	JIGG / WIL	DATA 2.7.3	
32	$ME \rightarrow UICC$	FETCH	
33	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.7.3	200 Bytes with alpha identifier is
1			displayed with italic off
34	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.7.1	

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 2.7.1

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 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	B7	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	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.7.3

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 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 2.7.1

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	

27.22.4.29.2.7.5 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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	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	[Command narformed augocofully]
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	
15	ME LICE	(immediate) 1.1.1 Transfer of 8 Bytes of data to the USS through	[To retrieve ME's port number]
13	$ME \rightarrow USS$	Ichannel 1	[10 retrieve ivic s port ridiriber]
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		retrieved in step 15	(000 LB (
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	
10	OIOO - IVIL	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	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.8.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
24	ME LUCC	DATA 2.8.2 FETCH	
25	$\begin{array}{c} ME \to UICC \\ UICC \to ME \end{array}$	PROACTIVE COMMAND: RECEIVE DATA 2.8.2	200 Bytes with alpha identifier is
23		NOACTIVE COMMAND: RECEIVE DATA 2.0.2	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
00	NE :::00	TERMINAL DECRONOS DECENTS DATA COL	displayed with underline on
30	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.8.1	
31	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.8.3	
32	ME → UICC	FETCH	
33	$VICC \rightarrow ME$		200 Bytes with alpha identifier is
	3.00 / IVIL	2 12 11 2 2 2 11 11 2 2 11 2 11 2 11 2 2 11 2 2 11 2 2 11 2 2 11 2 2 11 2 2 11 2 2 11 2 11 2 2 11 2 2 11 2 11 2 2 11 2 11 2 2 11 2 1	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: 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 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: 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	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.8.3

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 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 2.8.1

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	

27.22.4.29.2.8.5 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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	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	LUCC ME	1.1.1 PROACTIVE COMMAND PENDING: OPEN	See initial conditions
3	$UICC \to ME$	CHANNEL 1.1.1	See Illitial Collditions
6	$ME \rightarrow UICC$	FETCH	
7	UICC → ME	PROACTIVE COMMAND: OPEN CHANNEL	
	OIGG / WIE	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	
40		1.1.1B	
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.1.1	
13	ME → UICC	FETCH	
14	UICC → ME	PROACTIVE COMMAND: SEND DATA	
'-	OICC → IVIL	(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]
		(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 Distance of data in the NAT housen)
18	$ME \rightarrow UICC$	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 2.9.1	
20	$ME \rightarrow UICC$	FETCH	
21	$UICC \rightarrow ME$		200 Bytes with alpha identifier is
			displayed with strikethrough on
22	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.9.1	
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.9.2	
24	$ME \rightarrow UICC$	FETCH	
25	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.9.2	200 Bytes with alpha identifier is
00	ME	TERMINAL DECRONOS DECENTS DATA COLL	displayed with strikethrough off
26	ME → UICC	TERMINAL RESPONSE: RECEIVE DATA 2.9.1	
27	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE DATA 2.9.1	
28	$ME \rightarrow UICC$	FETCH	
29	$UICC \to ME$		200 Bytes with alpha identifier is
23	JIOO → IVIE	. NO TO THE COMMINITIES. NEOLIVE DATA 2.3.1	displayed with strikethrough on
30	$ME \rightarrow UICC$	TERMINAL RESPONSE: RECEIVE DATA 2.9.1	
31	UICC → ME	PROACTIVE COMMAND PENDING: RECEIVE	
		DATA 2.9.3	
32	$ME \rightarrow UICC$	FETCH	
33	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA 2.9.3	200 Bytes with alpha identifier is
			displayed with strikethrough off
34	$ME \rightarrow UICC$	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	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.9.3

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 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 2.9.1

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	

27.22.4.29.2.9.5 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 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 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
4	ME IIIOO	1.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST	
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	
6	$ME \to UICC$	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	
12	OIOO / IVIL	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	LICC ME	(immediate) 1.1.1 Transfer of 400 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	$ME \rightarrow UICC$	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	$ME \rightarrow UICC$	FETCH	
21	$UICC \to ME$	PROACTIVE COMMAND: RECEIVE DATA	200 Bytes with alpha identifier is
		2.10.1	displayed with foreground and
22	ME o UICC	TERMINAL RESPONSE: RECEIVE DATA 2.10.1	background colour
23	$UICC \to ME$	PROACTIVE COMMAND PENDING: RECEIVE	
23		DATA 2.10.2	
24	$ME \rightarrow UICC$	FETCH	
25	UICC → ME	PROACTIVE COMMAND: RECEIVE DATA	200 Bytes with alpha identifier is
		2.10.2	displayed with ME"s default foreground
			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:

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	B7	01	C8	D0	04	00	0E	00	B4

PROACTIVE COMMAND: RECEIVE DATA 2.10.2

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

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	B7	01	C8						

TERMINAL RESPONSE: RECEIVE DATA 2.10.1

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	

27.22.4.29.2.10.5 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: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \to UICC$	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	$ME \to UICC$	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: SEND DATA 1.1.1	
9	$ME \to UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DATA (immediate) 1.1.1	
11	$ME \to USS$	Transfer of 8 Bytes of data to the	
		USS through channel 1	
12	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 1.1.1	

PROACTIVE COMMAND: OPEN CHANNEL 1.1.1

Logically:

Command details

Command number: 1

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

Device identities

Source device: 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	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 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									

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 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 → UICC	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	[Command performed successfully]
8	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.2.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.2.1	Send 500 Bytes of data (200 + 200 + 100)
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store mode) 1.2.1	[Command performed successfully]
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.2.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.2.2	[200 Bytes]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store mode) 1.2.2	[Command performed successfully]
16	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.2.3	
17	$ME \rightarrow UICC$	FETCH	
18	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (Immediate mode) 1.2.3	[100 Bytes]
19	$ME \to USS$	Transfer of 500 Bytes of data to the USS through channel 1	
20	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (Immediate mode) 1.2.3	[Command performed successfully]

PROACTIVE COMMAND: SEND DATA 1.2.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: 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
	B6	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

Coding:

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:

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

Coding:

BER-TLV:	81	03	01	43	01	82	02	82	81	83	01	00
·	B7	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	$ME \rightarrow USS$	PDP context activation request	
6	$USS \to ME$	PDP context activation accept	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or	[Command performed successfully]
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8		PROACTIVE COMMAND PENDING: SEND DATA 1.3.1	
9	$ME \rightarrow UICC$		
10	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1	Send 1000 Bytes of data by packet of 200 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 DATA 1.3.2	
13	$ME \rightarrow UICC$	FETCH	
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	$ME \rightarrow UICC$	FETCH	
18	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3	[200 Bytes]
19	$ME \to UICC$	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	$ME \rightarrow UICC$	FETCH	
22		PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4	[200 Bytes]
23	$ME \to UICC$	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	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5	[200 Bytes]
27	$ME \to USS$	Transfer of 1000 Bytes of data to the USS through channel 1	
28	$ME \to UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5	[Command performed successfully]

PROACTIVE COMMAND: SEND DATA 1.3.1

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: 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: 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 1.3.2

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
	B6	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
	B7	01	FF									

PROACTIVE COMMAND: SEND DATA 1.3.3

Logically:

Command details

Command number: 1

Command type: SEND DATA
Command qualifier: Store mode

Device identities

Source device: 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
	B6	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: 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: 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:

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
	B6	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

Coding:

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	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN	See initial conditions
		CHANNEL 1.1.1	
2	$ME \rightarrow UICC$		
3		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 CHANNEL 1.1.1A or	[Command performed successfully]
		TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	
8		PROACTIVE COMMAND PENDING: SEND DATA 1.3.1	
9	$ME \rightarrow UICC$		
10	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1	Send 1000 Bytes of data by packet of 200 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 DATA 1.3.2	
13	$ME \rightarrow UICC$		
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	$ME \rightarrow UICC$		
18	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3	[200 Bytes]
19	$ME \rightarrow UICC$	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	$ME \rightarrow UICC$	FETCH	
22	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4	[200 Bytes]
23	$ME \rightarrow UICC$	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	$ME \rightarrow UICC$	FETCH	
26	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5	[200 Bytes]
27	$ME \to USS$	Transfer of 1000 Bytes of data to the USS through channel 1	
28	$ME \to UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5	[Command performed successfully]
29	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.1	
30	$ME \rightarrow UICC$		
31		PROACTIVE COMMAND: SEND DATA (store mode) 1.3.1	Send 1000 Bytes of data by packet of 200 Bytes
32	$ME \rightarrow UICC$	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	
		I	

35	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.2	[200 Bytes]
36	$ME \to UICC$	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	$ME \to UICC$	FETCH	
39	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.3	[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	$ME \rightarrow UICC$	FETCH	
43	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (store mode) 1.3.4	[200 Bytes]
44	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store mode) 1.3.4	[Command performed successfully]
45	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 1.3.5	
46	$ME \rightarrow UICC$	FETCH	
47	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (immediate) 1.3.5	[200 Bytes]
48	$ME \to USS$	Transfer of 1000 Bytes of data to the USS through channel 1	
49	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 1.3.5	[Command performed successfully]

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	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \to USER$, , ,	
		opening information	
5	$ME \rightarrow USS$	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: SEND DATA 1.5.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	
		DATA (immediate) 1.5.1	
11	$ME \to UICC$	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)

Coding:

BER-TLV:	D0	13	81	03	01	43	01	82	02	81	22	B6
	08	00	01	02	03	04	05	06	07			

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	3A
	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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 → 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 ITERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: SEND DATA 2.1.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with left
		DATA 2.1.1	alignment]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.1.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.1.2	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	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
4.5		TERMINAL RESPONSE SEND	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
	B6	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
	B6	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
•	B7	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	
_	ME LIGO	opening information	
5	ME → USS	PDP context activation request	
6 7	USS → ME	PDP context activation accept TERMINAL RESPONSE: OPEN	[Command norformed augacostully]
/	$ME \rightarrow UICC$	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 PENDING: SEND DATA 2.2.2	
13	ME → UICC	FETCH	
14	UICC → ME	PROACTIVE COMMAND: SEND	[Message shall be formatted without center
14	OICC → IVIE	DATA 2.2.2	alignment. Remark: If center 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) 2.2.1	. , , ,

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

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
	B6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.2.1

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									

27.22.4.30.2.2.5 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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	
_	ME	opening information	
5		PDP context activation request	
6	USS → ME	PDP context activation accept TERMINAL RESPONSE: OPEN	[Command parformed augeopatully]
/	$ME \rightarrow UICC$	CHANNEL 1.1.1A	[Command performed successfully]
		or	
		TERMINAL RESPONSE: OPEN	
		CHANNEL 1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.3.1	
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]
40		DATA (immediate) 2.3.1	
12	$UICC \to ME$	PROACTIVE COMMAND	
13	ME → UICC	PENDING: SEND DATA 2.3.2 FETCH	
14	UICC → ME	PROACTIVE COMMAND: SEND	[Message shall be formatted without right
14	OICC → IVIE	DATA 2.3.2	alignment. Remark: If right alignment is the
		D71171 2.0.2	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) 2.3.1	

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
	B6	08	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
	B6	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
	B7	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow USS$	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	
	OICC - IVIL	PENDING: SEND DATA 2.4.1	
9	$ME \rightarrow UICC$	FETCH	
10	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with large
	0.00 /	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
4.5		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	
16	$UICC \to ME$	PENDING: SEND DATA 2.4.1	
17	$ME \rightarrow UICC$	FETCH	
18	$UICC \rightarrow ME$	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]
	WE 7 0100	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
	B6	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
	В6	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)

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	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \to UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 1.1.1	
4	$ME \to USER$	The ME may display channel	
		opening information	
5	$ME \rightarrow USS$	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	UICC → IVIE	PENDING: SEND DATA 2.5.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with small
10	OIOO / IVIL	DATA 2.5.1	font size]
11	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.5.1	, , , , , , , , , , , , , , , , , , , ,
12	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.5.2	
13	$ME \to UICC$	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	
17	ME LUCC	PENDING: SEND DATA 2.5.1 FETCH	
18	ME → UICC	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with small
10	$UICC \to ME$	DATA 2.5.1	font size]
19	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
13	IVIL -> OICC	DATA (immediate) 2.5.1	[Command performed successibility]
20	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO / IVIL	PENDING: SEND DATA 2.5.3	
21	$ME \to UICC$	FETCH	
22	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with normal
	· · · · · · · · · · · · · · · · ·	DATA 2.5.3	font size]
23	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		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
	В6	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
	B6	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
	B7	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	
_	NAT 1100	opening information	
5	ME → USS	PDP context activation request	
6 7	USS → ME	PDP context activation accept	[O
/	$ME \to UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL	
		1.1.1B	
8	$UICC \to ME$	PROACTIVE COMMAND	
	OIOO -> IVIL	PENDING: SEND DATA 2.6.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with Bold
	0.00 /	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
45		DATA 2.6.2	off]
15	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
16	LUCC ME	DATA (immediate) 2.6.1 PROACTIVE COMMAND	
10	$UICC \to ME$	PENDING: SEND DATA 2.6.1	
17	$ME \to UICC$	FETCH	
18	UICC → ME	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with bold
10	OIOO -> IVIL	DATA 2.6.1	on]
19	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
	/ 0.00	DATA (immediate) 2.6.1	
20	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.6.3	
21	$ME \to UICC$	FETCH	
22	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with bold
		DATA 2.6.3	off]
23	$ME \to UICC$	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
	B6	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
	В6	80	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)

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	33
	B6	08	00	01	02	03	04	05	06	07		

TERMINAL RESPONSE: SEND DATA 2.6.1

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
	B7	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

27.22.4.30.2.7.4.2 Procedure

Expected sequence 2.7 (SEND DATA with Text Attribute – Italic On)

1 UICC → ME 2 ME → UICC 3 UICC → ME 4 ME → USER 5 ME → UICC 6 UICC → ME 7 ME → UICC 1 ME → UICC 1 ME → UICC 2 UICC → ME 7 ME → UICC 1 ME → UICC 2 UICC → ME 8 UICC → ME 9 ME → UICC 1 TERMINAL RESPONSE: OPEN CHANNEL 1.1.18 8 UICC → ME 9 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 TERMINAL RESPONSE: SEND DATA 2.7.2 1 TERMINAL RESPONSE: SEND DATA 2.7.2 1 TERMINAL RESPONSE: SEND DATA 2.7.2 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 UICC → ME 1 UICC → ME 1 UICC → ME 1 UICC → ME 2 UICC 3 UICC → ME 4 UICC 4 UICC → ME 5 TERMINAL RESPONSE: SEND DATA 2.7.2 4 ME → UICC 5 TERMINAL RESPONSE: SEND DATA 2.7.2 4 ME → UICC 5 TERMINAL RESPONSE: SEND DATA 2.7.1 6 UICC → ME 6 UICC → ME 7 ME → UICC 7 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 8 ME → UICC 9 ME 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 7 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 8 UICC → ME 1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 9 ME → UICC 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 TERMINAL RESPONSE: SEND DATA 2.7.1 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 1 TERMINAL RESPONSE: SEND DATA 2.7.3 2 ME → UICC 2 UICC → ME 2 UICC → ME 2 UICC → ME 2 UICC → ME 3 ME → UICC 3 TERMINAL RESPONSE: SEND DATA 2.7.3 3 ME → UICC 4 ME 4 UICC 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3 5 TERMINAL RESPONSE: SEND DATA 2.7.3	Step	Direction	MESSAGE / Action	Comments
ME → UICC		$UICC \to ME$		See initial conditions
Second Procession Processi			PENDING: OPEN CHANNEL 1.1.1	
The ME and displayed channel opening information ME → USS ME → UICC ME →				
ME → USS The ME may display channel opening information DPD context activation request PDP context activation accept TERMINAL RESPONSE: OPEN CHANNEL 1.1.18 TERMINAL RESPONSE: OPEN CHANNEL 1.1.18 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC → ME PROACTIVE COMMAND: SEND DATA (immediate) 2.7.1 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.2 ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.2 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.2 ME → UICC ME PROACTIVE COMMAND: SEND DATA 2.7.2 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC ME PROACTIVE COMMAND PENDING: METAL ACCOMMAND PENDING: METAL ACCOMMAND PENDING: META	3	$UICC \to ME$		
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SS → ME				
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DATA 2.7.2 15 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.1 10 UICC → ME PROACTIVE COMMAND DATA 2.7.1 11 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 12 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 13 ME → UICC 15 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 17 ME → UICC 16 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 17 ME → UICC 16 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 17 ME → UICC 16 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 17 ME → UICC 17 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 19 ME → UICC 17 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 19 DATA 2.7.3 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 10 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 11 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 12 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 17 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 19 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 16 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 17 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 17 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 17 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3	13	$ME \to UICC$	FETCH	
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DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 THE → UICC PROACTIVE COMMAND: SEND DATA 2.7.1 PROACTIVE COMMAND: SEND DATA 2.7.1 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully]			DATA 2.7.2	off]
16 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.1 17 ME → UICC 18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC 17 TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC 22 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND DATA 2.7.3 [alpha identifier shall be displayed with italic off] [command performed successfully] [alpha identifier shall be displayed with italic off] [command performed successfully]	15	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
PENDING: SEND DATA 2.7.1 ME → UICC				
 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.1 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 PROACTIVE COMMAND: SEND DATA 2.7.3 PROACTIVE COMMAND: SEND DATA 2.7.3 TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully] 	16	$UICC \to ME$		
18 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 22 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully]				
DATA 2.7.1 19 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 22 ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully]			_	
19 ME → UICC TERMINAL RESPONSE: SEND DATA (immediate) 2.7.1 20 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 21 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 22 UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully]	18	$UICC \to ME$		
DATA (immediate) 2.7.1 PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 PETCH PROACTIVE COMMAND: SEND DATA 2.7.3 PETCH PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC ME → UICC TERMINAL RESPONSE: SEND [alpha identifier shall be displayed with italic off] [Command performed successfully]	4.0			
 UICC → ME PROACTIVE COMMAND PENDING: SEND DATA 2.7.3 ME → UICC FETCH PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] 	19	$ME \rightarrow UICC$		[Command performed successfully]
PENDING: SEND DATA 2.7.3 21 ME → UICC FETCH 22 UICC → ME PROACTIVE COMMAND: SEND [alpha identifier shall be displayed with italic off] 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully]		11100 145		
 ME → UICC FETCH UICC → ME PROACTIVE COMMAND: SEND DATA 2.7.3 ME → UICC FETCH [alpha identifier shall be displayed with italic off] ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully] 	20	UICC → ME		
22 UICC → ME PROACTIVE COMMAND: SEND [alpha identifier shall be displayed with italic off] 23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully]	21	ME LUCC		
DATA 2.7.3 off] ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully]				Calaba identifier shall be displayed with italia
23 ME → UICC TERMINAL RESPONSE: SEND [Command performed successfully]	~~	UICC → IVIE		
	23	ME -> LIICC		
I I I I I I I I I I I I I I I I I I I	23	IVIE → UICC	DATA (immediate) 2.7.1	[Command performed successfully]

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)

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	33
	B6	80	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
	B7	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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 → 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	
	OIOO / IVIL	PENDING: SEND DATA 2.8.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
		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
45	ME IIIOO	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	$ME \rightarrow UICC$	FETCH	
18	UICC → 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]
		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
	B6	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: 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)

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	33
	В6	08	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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	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	
0	OICC - IVIL	PENDING: SEND DATA 2.9.1	
9	$ME \to UICC$	FETCH	
10	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
	0.00 /	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	$ME \rightarrow UICC$	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]
16	LUCC ME	DATA (immediate) 2.9.1 PROACTIVE COMMAND	
16	$UICC \to ME$	PENDING: SEND DATA 2.9.1	
17	$ME \rightarrow UICC$	FETCH	
18	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
'0	OIOO -> IVIL	DATA 2.9.1	strikethrough on]
19	$ME \to UICC$	TERMINAL RESPONSE: SEND	[Command performed successfully]
		DATA (immediate) 2.9.1	[
20	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SEND DATA 2.9.3	
21	$ME \to UICC$	FETCH	
22	$UICC \to ME$	PROACTIVE COMMAND: SEND	[alpha identifier shall be displayed with
		DATA 2.9.3	strikethrough off]
23	$ME \rightarrow UICC$	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
	В6	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		

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 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 context3, as specified in TS 34.108 [12], for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow USER$	The ME may display channel	
_		opening information	
5	ME → 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 → 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
	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]
<u></u>		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
	B7	01	FF									

27.22.4.30.2.10.5 Test Requirement

The ME shall operate in the manner defined in expected sequences 2.10.

27.22.4.30.3 SEND DATA (E-UTRAN)

27.22.4.30.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.3.2 Conformance requirements

The ME shall support the class "e" commands and E-UTRAN as defined in:

- TS 31.111 [15].

27.22.4.30.3.3 Test purpose

To verify that the ME shall send a TERMINAL RESPONSE (Command Performed Successfully) 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.

To verify that the ME uses the default EPS bearer as requested in the Open Channel Command.

27.22.4.30.3.4 Method of test

27.22.4.30.3.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level:Same UICC/ME transport interface level as defined in 27.22.4.27.6.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.6.4.1.

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.

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.

27.22.4.30.3.4.2 Procedure

Expected sequence 3.1 (SEND DATA, E-UTRAN, Defaults EPS bearer, immediate mode)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 3.1.1	See initial conditions
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 3.1.1	
4	$ME \rightarrow USER$	The ME may display channel opening information	[The user shall confirm the channel opening if required]
5	$ME \rightarrow E\text{-}USS$	No PDN connectivity request	
6	ME → UICC	TERMINAL RESPONSE: OPEN CHANNEL 3.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 3.1.1B	[Command performed successfully]
7	$UICC \to ME$	PROACTIVE COMMAND PENDING: SEND DATA 3.1.1	
8	$ME \rightarrow UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: SEND DATA (immediate) 3.1.1	
10	$ME \rightarrow E\text{-USS}$	Transfer of 8 Bytes of data to the USS through channel 1	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (immediate) 3.1.1	[Command performed successfully]
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 3.1.1	
13	$ME \rightarrow UICC$	FETCH	
14	$UICC \to ME$	PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1	
15	$ME \rightarrow UICC$	TERMINAL RESPONSE CLOSE CHANNEL 3.1.1	[Command performed successfully]

PROACTIVE COMMAND: OPEN CHANNEL 3.1.1

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: Default bearer for requested transport layer

Buffer

Buffer size: 1400

Text String: "UserLog" (User login)
Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format: TCP, UICC in client mode, remote connection

Port number: 44444
Data destination address 01.01.01.01

BER-TLV:	D0	30	81	03	01	40	01	82	02	81	82	35
	01	03	39	02	05	78	0D	08	F4	55	73	65
	72	4C	6F	67	0D	08	F4	55	73	65	72	50
	77	64	3C	03	02	AD	9C	3E	05	21	01	01
	01	01										

TERMINAL RESPONSE: OPEN CHANNEL 3.1.1A

Logically:

Command details

Command number:

Command type: OPEN CHANNEL

Command qualifier: immediate link establishment

1

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

Bearer type: Default bearer for requested transport layer

Buffer

Buffer size: 1400

Coding:

BER-TLV:	81	03	01	40	01	82	02	82	81	83	01	00	
_	38	02	81	00	35	01	03	39	02	05	78		

TERMINAL RESPONSE: OPEN CHANNEL 3.1.1B

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

Bearer type: E-UTRAN / mapped UTRAN packet service

QCI 9

Maximum bit rate for uplink: 64 kbps
Maximum bit rate for downlink: 64 kbps
Guaranteed bit rate for uplink: 64 kbps
Guaranteed bit rate for downlink: 64 kbps

Maximum bit rate for uplink (extended): 0
Maximum bit rate for downlink (extended): 0
Guaranteed bit rate for uplink (extended): 0
Guaranteed bit rate for downlink (extended): 0
PDN Type: 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	0B	0B	09	40	40	40	40
	00	00	00	00	02	39	02	05	78			

PROACTIVE COMMAND: SEND DATA 3.1.1

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 3.1.1

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					

PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1

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 3.1.1

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

Expected sequence 3.2 (SEND DATA, E-UTRAN, APN different from default APN, Store mode)

Step	Direction	MESSAGE / Action	Comments
1	UICC → ME	PROACTIVE COMMAND PENDING: OPEN CHANNEL 3.2.1	
2	ME → UICC	FETCH	

3	UICC → ME	PROACTIVE COMMAND: OPEN CHANNEL 3.2.1	
4	ME → USER	The ME should not display channel opening information	
5	ME → E-USS	PDN CONNECTIVITY REQUEST	[The PDN CONNECTIVITY REQUEST shall contain the APN "Test12.rs"]
6	$E\text{-USS} \to ME$	ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST	[The E-UTRAN parameters are used]
7	$ME \to E\text{-}USS$	ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT	
8	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 3.2.1	[Command performed successfully]
9	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND DATA 3.2.1	
10	$ME \rightarrow UICC$	FETCH	
11	UICC → ME	PROACTIVE COMMAND: SEND DATA (store mode) 3.2.1	Send 500 Bytes of data (200 + 200 + 100)
12	ME → UICC	TERMINAL RESPONSE: SEND DATA (store mode) 3.2.1	[Command performed successfully]
13	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND DATA 3.2.2	
14	$ME \rightarrow UICC$	FETCH	
15	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND DATA (store mode) 3.2.2	[200 Bytes]
16	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA (store mode) 3.2.2	[Command performed successfully]
17	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: SEND DATA 3.2.3	
18	$ME \rightarrow UICC$	FETCH	
19	$UICC \rightarrow ME$	PROACTIVE COMMAND: SEND DATA (Immediate mode) 3.2.3	[100 Bytes]
20	$ME \rightarrow E$ -USS	Transfer of 500 Bytes of data to the USS through channel 1	
21	ME → UICC	TERMINAL RESPONSE: SEND DATA (Immediate mode) 3.2.3	[Command performed successfully]
22	$UICC \rightarrow ME$	PROACTIVE COMMAND PENDING: CLOSE CHANNEL 3.2.1	
23	ME → UICC	FETCH	
24	$UICC \rightarrow ME$	PROACTIVE COMMAND: CLOSE CHANNEL 3.2.1	

25		[Command performed successfully]
	CHANNEL 3.2.1	

PROACTIVE COMMAND: OPEN CHANNEL 3.2.1

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: empty

Bearer

Bearer type: GPRS / UTRAN packet service / E-UTRAN

Precedence Class: 03

Delay Class: 04

Reliability Class: 02

Peak throughput class: 09

Mean throughput class: 31

Packet data protocol:02 (IP)

Buffer

Buffer size: 1400

Network access name: Test12.rs

Text String: "UserLog" (User login)

Text String: "UserPwd" (User password)

UICC/ME interface transport level

Transport format:TCP

Port number: 44444

Data destination address 01.01.01.01

BER-TLV:	D0	44	81	03	01	40	01	82	02	81	82	85
	00	35	07	02	03	04	02	09	1F	02	39	02
	05	78	47	0A	06	54	65	73	74	31	32	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
02	AD	9C	3E	05	21	01	01	01	01		

TERMINAL RESPONSE: OPEN CHANNEL 3.2.1

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 / UTRAN packet service / E-UTRAN

Bearer parameter:

Precedence Class: 03

Delay Class: 04

Reliability Class: 02

Peak throughput class: 09

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	02	09	1F
	02	39	02	05	78							

PROACTIVE COMMAND: SEND DATA 3.2.1

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 3.2.1

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
•		В7	01	FF									

PROACTIVE COMMAND: SEND DATA 3.2.2

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
	В6	81	C8	C8	C9	••	FF	00	01		8F	

TERMINAL RESPONSE: SEND DATA 3.2.2

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

Coding:

BER-TLV:	81	03	01	43	00	82	02	82	81	83	01	00
	В7	01	FF									

PROACTIVE COMMAND: SEND DATA 3.2.3

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 3.2.3

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

Coding:

BER-TLV:	81	03	01	43	01	82	02	82	81	83	01	00
	В7	01	FF									

PROACTIVE COMMAND: CLOSE CHANNEL 3.2.1

Same as PROACTIVE COMMAND: CLOSE CHANNEL 3.1.1 from sequence 1.1.

TERMINAL RESPONSE: CLOSE CHANNEL 3.2.1

Same as Terminal Response: CLOSE CHANNEL 3.1.1 from sequence 1.1.

27.22.4.30.3.5 Test Requirement

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

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 and additionally E-UTRAN for sequences 1.4 to 1.5 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 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.

For sequences 1.1 to 1.3:

The following Bearer Parameters used are those defined in the default Test PDP context3, for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

For sequences 1.4 to 1.5

The ME is connected to the USIM Simulator and the E-USS. Prior to this test the ME shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

Network access name: TestGp.rs
User login: UserLog
User password: UserPwd

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.6.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.6.4.1.

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 → UICC	TERMINAL RESPONSE GET STATUS 1.1.1 A Or TERMINAL RESPONSE: GET STATUS 1.1.1B Or TERMINAL RESPONSE: GET STATUS 1.1.1C	[Command performed successfully]

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:

Command type: GET STATUS

Command qualifier: RFU

Device identities

Source device: ME Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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: 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: 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: UICC

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

.

.

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. 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	
		1.1.1	
2		FETCH	
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	$ME \to UICC$	FETCH	
9	$UICC \to ME$	PROACTIVE COMMAND: GET	
		STATUS 1.2.1	
10	$ME \rightarrow UICC$	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

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	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 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

GPRS Bearer type:

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: 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:

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: 00 Delay Class: 04 Reliability Class: 03 Peak throughput class: 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:

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: 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 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

•

.

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		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	[Command performed successfully]
5		PROACTIVE COMMAND PENDING: OPEN CHANNEL 1.1.1	See initial conditions
6	$ME \rightarrow UICC$		
7	$UICC \to ME$	PROACTIVE COMMAND: OPEN CHANNEL 1.1.1	
8		PDP context activation request	
9		PDP context activation accept	
10	ME → UICC	TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A or TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B	[Command performed successfully]
11	$USS \to ME$	DROP LINK	
12		ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1	[Link dropped]
13		PROACTIVE COMMAND PENDING: GET STATUS 1.3.1	
14	$ME \rightarrow UICC$		
15		PROACTIVE COMMAND: GET STATUS 1.3.1	
16	ME → UICC	TERMINAL RESPONSE: GET STATUS 1.3.1A 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	[Command performed successfully]

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: UICC

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

•

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:

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:

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

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
	05											

PROACTIVE COMMAND: GET STATUS 1.3.1

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

Expected sequence 1.4 (GET STATUS, EPS bearer with APN different from default APN)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND	See initial conditions
		PENDING: OPEN CHANNEL	
		6.3.1	
2	$ME \rightarrow UICC$		
3	$UICC \to ME$	PROACTIVE COMMAND: OPEN	
		CHANNEL 6.3.1	
4	$ME \rightarrow E$ -USS	PDN CONNECTIVITY REQUEST	[The PDN CONNECTIVITY REQUEST shall contain the APN "Test12.rs"]
5	E -USS \rightarrow ME	ACTIVATE EPS BEARER	[The E-UTRAN parameters are used]
		CONTEXT REQUEST	
6	$ME \to E\text{-}USS$	ACTIVATE DEFAULT EPS	
		BEARER CONTEXT ACCEPT	
7	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN	[Command performed successfully]
		CHANNEL 6.1.1	
8	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: GET CHANNEL	
		STATUS 1.1.1	
9	$ME \rightarrow UICC$	FETCH	
10	$UICC \to ME$	PROACTIVE COMMAND: GET	
		STATUS 1.1.1	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE GET	[Command performed successfully]
		STATUS 1.4.1 A	
		Or	
		TERMINAL RESPONSE: GET	
		STATUS 1.4.1B	

PROACTIVE COMMAND: OPEN CHANNEL 6.3.1

Same as PROACTIVE COMMAND: OPEN CHANNEL 6.3.1 in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.1.1

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.1.1 in clause 27.22.4.27.6.4.

PROACTIVE COMMAND: GET STATUS 1.1.1

Same as PROACTIVE COMMAND:GET STATUS from sequence 1.1

TERMINAL RESPONSE: GET STATUS 1.4.1A

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 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 1.4.1B

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 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

:

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:

		01	00
Note			
Note: The Terminal Response shall contain as many channel status channels are supported by the ME. The channel status TLV opened channel shall state "Link established or PDP context Not more than one opened channel shall be indicated. Each status TLV coding shall indicate the corresponding channel is shall state "Link is not established or PDP context not activate example, if the mobile supports two channels and channel 1 then the corresponding channel status data objects coding with the status of the status of the status data objects coding with the status of the status data objects coding with the status of the status data objects coding with the status of the status data objects coding with the status	cod oth dea ted is	oding on the children of the c	f the d". annel and an

Expected sequence 1.5 (GET STATUS, EPS bearer with APN different from default APN, after a link dropped)

Step	Direction	MESSAGE / Action	Comments
1	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP	
		EVENT LIST 1.1.1	
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST	
		1.1.1	
4	ME → UICC	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[Command performed successfully]
5	$UICC \to ME$	PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.3.1	See initial conditions
6	$ME \rightarrow UICC$	FETCH	
7		PROACTIVE COMMAND: OPEN CHANNEL 6.3.1	
8	$ME \to E\text{-}USS$	PDN CONNECTIVITY REQUEST	[The PDN CONNECTIVITY REQUEST shall contain the APN "Test12.rs"]
9		ACTIVATE EPS BEARER CONTEXT REQUEST	[The E-UTRAN parameters are used]
10	$ME \to E\text{-}USS$	ACTIVATE DEFAULT EPS BEARER CONTEXT ACCEPT	
11	$ME \rightarrow UICC$	TERMINAL RESPONSE: OPEN CHANNEL 6.1.1	[Command performed successfully]
12	$E\text{-}USS\toME$	DEACTIVATE EPS BEARER CONTEXT REQUEST	[Cause: #38 network failure]
12a	$ME \rightarrow E\text{-}USS$	DEACTIVATE EPS BEARER CONTEXT ACCEPT	
13	$ME \rightarrow UICC$	ENVELOPE EVENT DOWNLOAD: CHANNEL STATUS 1.3.1	[Link dropped]
14	$UICC \to ME$	PROACTIVE COMMAND PENDING: GET STATUS 1.3.1	
15	$ME \rightarrow UICC$	FETCH	
16	$UICC \to ME$	PROACTIVE COMMAND: GET STATUS 1.3.1	
17	$ME \rightarrow UICC$	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	

PROACTIVE COMMAND: OPEN CHANNEL 6.3.1

Same as PROACTIVE COMMAND: OPEN CHANNEL 6.3.1 in clause 27.22.4.27.6.4.

TERMINAL RESPONSE: OPEN CHANNEL 6.1.1

Same as TERMINAL RESPONSE: OPEN CHANNEL 6.1.1 in clause 27.22.4.27.6.4.

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: 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:

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
·	05											

PROACTIVE COMMAND: GET STATUS 1.3.1

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 1.3.1A

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: 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, 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: UICC

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

: :

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	Note								
	Note:	The	e Termi	nal Res	sponse sl	hall c	ontain a	as many	/ chanr	nel statu	ıs TLVs	as	
		cha	annels a	are sup	ported by	the I	ME. Ea	ch char	nel sta	tus TL\	/ coding	g	
		exc	except that one for which the link was dropped by the SS shall indicate										
		the	corres	ponding	g channe	I iden	tifier an	d shall	state "I	Link no	t establ	ished	
		or l	or PDP context not activated". As an example, if the mobile supports two										
		cha	channels then the corresponding channel status data objects coding										
		would be: 'B8 02 01 05 B8 02 02 00'.											

27.22.4.31.5 Test requirement

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

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 connected to the USS.

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 (Void)

Expected Sequence 1.3 (Void)

Expected Sequence 1.4 (void)

Expected Sequence 1.5 (void)

Expected Sequence 1.6 (Void)

Expected Sequence 1.7 (Void)

Expected Sequence 1.8 (Void)

Expected Sequence 1.9 (SMS-PP Data Download over CS, UTRAN/GERAN)

Perform the "CS related procedure 1" and continue with "Generic Test Procedure 1 (SMS-PP Data Download)" as defined in this clause 27.22.5.3.4.2 as "Expected Sequence 1.9" with the following parameters:

- Used Network Simulator (NWS): USS (UMTS System Simulator or System Simulator)
- CS is used to send and receive short messages
- ME supports UTRAN or GERAN

CS related procedure:

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	The ME is switched on	ME will perform Profle Download and USIM
			initialisation
2	$ME \rightarrow NWS$	ME performs regular network	
		registration.	
3		CONTINUE WITH STEP 4 Generic	
		Test Procedure 1 (SMS-PP Data	
		Download) in clause 27.22.5.3.4.2	

27.22.5.1.5 Test requirement

The ME shall operate in the manner defined in expected sequence 1.9.

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	80	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								

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	80	04	02	81	40	20	10	80	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	81	40	20	10	80	04	02	81	40
	20	10	80	04	02	81	40	20	10	80	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 → USER	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	The user shall use a MMI dependent	[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	08
	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:

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:
Page number:

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:

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

Coding:

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

27.22.5.2.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 to 1.7.

27.22.5.3 SMS-PP Data Download over IMS

27.22.5.3.1 Definition and applicability

See clause 3.2.2.

For IMS: That the UE correctly implemented the role of an SMS-over-IP receiver is tested in clause 18.2 of TS 34.229-1 [36].

27.22.5.3.2 Conformance requirement

The ME shall support the Proactive UICC: SMS-PP Data Download facility for SMS over IP 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.
- TS 34.229 [36], Annexes C.2, C.17 and C.18.
- TS 24.341 [37], clause 5.2.3.4.

27.22.5.3.3 Test purpose

To verify that the ME transparently passes the "data download via SMS Point-to-point" messages which have been received over IMS to the UICC.

To verify that the ME returns the RP-ACK message back to the E-USS/USS, if the UICC responds with '90 00' or '91 XX'. In case of IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

To verify that the ME returns the RP-ERROR message in the SIP MESSAGE for the SM delivery report to the E-USS/USS, if the UICC responds with '62 XX' or '63 XX'. In case of IMS the RP-ERROR message is contained in the SIP MESSAGE for the SM delivery report.

To verify that the ME returns available response data from the UICC in the TP-User-Data element of the RP-ACK message back to the E-USS/USS. In case of IMS the RP-ACK message is contained in the SIP MESSAGE for the SM delivery report.

27.22.5.3.4 Method of Test

27.22.5.3.4.1 Initial conditions

The ME is connected to the USIM Simulator. The elementary files are coded as defined for the E-UTRAN/EPC ISIM-UICC in clause 27.22.2C.

For sequence 3.1 the ME is additionally connected to the E-USS.

For sequence 3.2 the ME is additionally connected to the USS.

27.22.5.3.4.2 Procedure

Expected Sequence 3.1 (SMS-PP Data Download over IMS, E-UTRAN)

Perform the "IMS related procedure 1" and continue with "Generic Test Procedure 1 (SMS-PP Data Download)" as defined in this clause as "Expected Sequence 3.1" with the following parameters:

- a) Used Network Simulator (NWS): E-USS
- SMS-over-IP is used to send and receive short messages
- ME supports eFDD or eTDD and SMS-over-IP

Expected Sequence 3.2 (SMS-PP Data Download over IMS, UTRAN)

Perform the "IMS related procedure 1" and continue with "Generic Test Procedure 1 (SMS-PP Data Download)" as defined in this clause as "Expected Sequence 3.2" with the following parameters:

• Used Network Simulator (NWS): USS (UMTS System Simulator only)

- SMS-over-IP is used to send and receive short messages
- ME supports UTRAN

IMS related procedure 1:

Step	Direction	MESSAGE / Action	Comments
1	$USER \to ME$	The ME is switched on	ME will perform Profle Download, USIM and
			ISIM initialisation
2	$ME \rightarrow NWS$	ME activates the required bearer, discoveres P-CSCF and registers	For E-UTRAN: The EPS bearer context activation according
		l G	to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.18 is performed
			For UTRAN: For SMS-over-IP a PDP context activation according to the procedures defined in TS 34.229-1 [36], Annex C.2 and C.17 is performed.
3		CONTINUE WITH STEP 4 Generic Test Procedure 1 (SMS-PP Data Download)	

Generic Test Procedure 1 (SMS-PP Data Download)

Step	Direction	MESSAGE / Action	Comments
4	$NWS \to ME$	SMS-PP Data Download Message 3.1.1	See Note 1.
5	ME → USER	The ME shall not display the message or alert the user of a short message waiting.	
6	$ME \rightarrow UICC$	ENVELOPE: SMS-PP DOWNLOAD 3.1.1	
7	$UICC \to ME$	SMS-PP Data Download UICC Acknowledgement 3.1.1	[SW1 / SW2 of '90 00'
8	$ME \rightarrow NWS$	SMS-PP Data Download UICC Acknowledgement 3.1.1 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.	See Note 2.
9	$NWS \to ME$		See Note 1.
10	$ME \rightarrow USER$	The ME shall not display the message or alert the user of a short message waiting	
11	$ME \to UICC$	ENVELOPE: SMS-PP DOWNLOAD 3.1.2	[SW1 / SW2 of '91 0B']
12	$UICC \to ME$	PROACTIVE COMMAND PENDING: MORE TIME 3.1.1	
13	$ME \rightarrow NWS$	RP-ACK	See Note 2.
14	$ME \to UICC$	FETCH	
15	$UICC \to ME$	PROACTIVE COMMAND: MORE TIME 3.1.1	
16	$ME \to UICC$	TERMINAL RESPONSE: MORE TIME 3.1.1	
17	$UICC \to ME$	PROACTIVE UICC SESSION ENDED	
18	$NWS \to ME$	3.1.3	See Note 1.
19	ME	The ME shall not display the message or alert the user of a short message waiting	

		_	
20	$ME \to UICC$	ENVELOPE: SMS-PP	
		DOWNLOAD 3.1.3	
21	$UICC \to ME$	SW1 / SW2 of '90 00'	
22	$ME \rightarrow NWS$	RP-ACK	See Note 2.
23	$NWS \to ME$	SMS-PP Data Download Message	See Note 1.
		3.1.1	
24	$ME \rightarrow USER$	The ME shall not display the	
		message or alert the user of a	
		short message waiting.	100144 (00140 4100 11 1100 117
25	$ME \to UICC$	ENVELOPE: SMS-PP	[SW1 / SW2 of '62 xx" or "63 xx"]
		DOWNLOAD 3.1.1	
26	$UICC \to ME$	SIP MESSAGE with SMS-PP Data	
		Download UICC	
		Acknowledgement 3.1.4 in the	
		message body of MESSAGE	
27	$ME \to UICC$	Retrieve RP-Error information	
		provided by the USIM	
28	$ME \rightarrow NWS$	SMS-PP Data Download UICC	See Note 3.
		Acknowledgement 3.1.4 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.	
29	$NWS \to ME$	SMS-PP Data Download Message	See Note 1.
		3.1.5	
30	ME	The ME shall not display the	
		message or alert the user of a	
		short message waiting	
31	$ME \to UICC$	ENVELOPE: SMS-PP	
		DOWNLOAD 3.1.5	
32	$UICC \to ME$	SW1 / SW2 of '90 00'	
33	$ME \rightarrow NWS$	RP-ACK	See Note 2.
34		The ME is switched off	
Note 1:	In case of IM SIP MESSA		sage is contained in the message body of the
Note 2:	In case of IM	S the RP-ACK message is contained	I in the message body of the SIP MESSAGE.
Note 3:	In case of IM MESSAGE.	S the RP-ERROR message is conta	ined in the message body of the SIP

SMS-PP (Data Download) Message 3.1.1

Logically:

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 "TestMessage 1"

Coding:

Coding	04	04	91	21	43	7F	16	89	10	10	00	00
	00	00	0D	54	65	73	74	4D	65	73	73	61
	67	65	20	31								

ENVELOPE: SMS-PP DOWNLOAD 3.1.1

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 "TestMessage 1"

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	54	65
	73	74	4D	65	73	73	61	67	65	20	31	

SMS-PP Data Download UICC Acknowledgement 3.1.1

Coding	44	61	74	61	20	41	63	6B

SMS-PP (Data Download) Message 3.1.2

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 "2143"

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 "TestMessage 2"

Coding:

Coding	04	04	91	12	34	7F	16	89	10	10	00	00
	00	00	0D	54	65	73	74	4D	65	73	73	61
	67	65	20	32								

ENVELOPE: SMS-PP DOWNLOAD 3.1.2

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 "2143"

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 "TestMessage 2"

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	12	34
	7F	16	89	10	10	00	00	00	00	0D	54	65
	73	74	4D	65	73	73	61	67	65	20	32	

PROACTIVE COMMAND: MORE TIME 1.1.1

Logically:

Command details

Command number:

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		02 81	82
-------------------	-------	-------	--	-------	----

TERMINAL RESPONSE: MORE TIME 1.1.1

Logically:

Command details

Command number:

Command type: MORE TIME

Command qualifier: "00"

Device identities

Source device: ME
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

RER-TI V	0.4	^^	0.4	~~	~~	0.0	^^	0.0	0.4	0.0	0.4	~~
IBER-ILV:	1 81	03	1 ()1	1 02	00	82	02	82	1 81	1 83	01	00

SMS-PP (Data Download) Message 3.1.3

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 "2233"

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 "TestMessage 3"

Coding:

Coding	04	04	91	22	33	7F	F6	89	10	10	00	00
	00	00	0D	54	65	73	74	4D	65	73	73	61
	67	65	20	33								

ENVELOPE: SMS-PP DOWNLOAD 3.1.3

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 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 "2233"

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 "TestMessage 3"

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	22	33
	7F	F6	89	10	10	00	00	00	00	0D	54	65
	73	74	4D	65	73	73	61	67	65	20	32	

SMS-PP Data Download UICC Acknowledgement 3.1.4

Coding	44	61	74	61	20	45	72	72	65	72
--------	----	----	----	----	----	----	----	----	----	----

SMS-PP (Data Download) Message 3.1.5

Logically:

SMS TPDU

TP-MTI SMS-DELIVER

TP-MMS No more messages waiting for the MS in this SC

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:

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 3.1.5

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-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								

27.22.5.3.5 Test requirement

The ME supporting eFDD or eTDD shall operate in the manner defined in expected sequence 3.1.

The ME supporting UTRAN shall operate in the manner defined in expected sequence 3.2.

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 exceptions:

- 1) The call control service is available in the USIM Service Table.
- 2) Only for sequence 1.9:

EF_{ECC} (Emergency Call Codes)

Logically:

Emergency call code: "1020"; Emergency call code alpha identifier: empty; Emergency call Service Category: RFU

Coding:	B1	B2	B3	B4	B5	B6	B7	B8
Hex	01	02	FF	FF	FF	FF	FF	FF

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 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 1.1.1B

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 \rightarrow 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 UP CALL 1.3.1 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 1.3.1	[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	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL 1.3.1A or	[Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL 1.3.1B	parameters]
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 modification	[Set up call to "+012340123456"]
9	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP CALL 1.3.1	[command performed successfully]

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
		N. F	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:

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
D	U .		, .		00	_ _	~ <u> </u>	_ _	, o.		, o.	

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	$ME \rightarrow UICC$	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	$ME \rightarrow USS$	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	$ME \rightarrow UICC$	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
	01											

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

Step	Direction	Message / Action	Comments
1	$User \rightarrow ME$	Set up a call to	
		"+01234567890123456789"	
2	$ME \rightarrow UICC$	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	$ME \rightarrow USS$	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	[This test applies to MEs asking for user
		UP CALL 1.7.1 PENDING	confirmation before sending the
			ENVELOPE CALL CONTROL command]
2	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP CALL 1.7.1	[Set up call to "+012340123456"]
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	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL 1.7.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or ENVELOPE CALL CONTROL 1.7.1B	[Option B shall apply for PCS1900 parameters]
7	LUCC . ME	CALL CONTROL RESULT 1.7.1	[Call control result: "Allowed with
,	$UICC \to ME$		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 UP CALL 1.7.1 PENDING	[This test applies to MEs asking for user confirmation after 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	$ME \to UICC$	ENVELOPE CALL CONTROL 1.7.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or ENVELOPE CALL CONTROL 1.7.1B	[Option B shall apply for PCS1900 parameters]
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	$USER \to ME$	The user confirms the call set up	[user confirmation]
8	$ME \to USS$	The ME sets up the call to "+0111111111111"	[call is set up to modified address]
9	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP CALL 1.7.1	[command performed successfully]

PROACTIVE COMMAND: SET UP CALL 1.7.1

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: '+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	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL 1.8.1A	[Option A shall apply for GERAN/UTRAN
		or	parameters]
		ENVELOPE CALL CONTROL 1.8.1B	[Option B shall apply for PCS1900
			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:

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 sets 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	$ME \rightarrow UICC$	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 "+01234567890123456789"	
2	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL 1.2.1A or ENVELOPE CALL CONTROL 1.2.1B	[Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 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 → UICC	ENVELOPE CALL CONTROL 1.2.1A or ENVELOPE CALL CONTROL 1.2.1B	[Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 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	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	Option A shall apply for GERAN/UTRAN
		1.4.1A	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	$ME \rightarrow USS$	The ME does not set up the call	
5	$User \rightarrow ME$	The user calls the last dialled	
		number	
6	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		1.4.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		1.4.1B	
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 "+0123456789"	
2	$ME \to UICC$	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	$ME \to UICC$	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]
7	$UICC \to ME$	1.6.1B 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')

Step	Direction	Message / Action	Comments
1	$User \rightarrow ME$	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
		2.1.1A	parameters]
		or	Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters
		2.1.1B	ľ ·
3	$UICC \to ME$	90 00	
4	ME → USS	REGISTER 2.1A	[The ME sends the supplementary
	/ 555	or	service operation with the information as
		REGISTER 2.1B	sent to the UICC1
5	$USS \to ME$	RELEASE COMPLETE (SS	
		RETURN RESULT) 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
	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 2.1.1B

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
	B0	13	07	00	11	10	00	01	00	01		

REGISTER 2.1A

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		

REGISTER 2.1B

Logically (only SS argument):

ACTIVATE SS ARGUMENT

SS-Code:

- Call Forwarding Unconditional

TeleserviceCode

- All Tele Services

LongFTN Supported

Coding:

Coding	30	08	04	01	21	83	01	00	84	00	

RELEASE COMPLETE (SS RETURN RESULT) 2.1

Logically (only from operation code):

ACTIVATE SS RETURN RESULT

ForwardingInfo

SS-Code

- Call Forwarding Unconditional

ForwardFeatureList

ForwardingFeature

TeleserviceCode

- All Tele Services

SS-Status

- state ind.: operative

- provision ind.: provisioned

- registration ind.: registered

- activation ind.: active

Coding:

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 \rightarrow 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	$ME \rightarrow USS$	REGISTER 2.1A	The ME sends the supplementary service
		or	operation with the information as sent to
		REGISTER 2.1B	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	$ME \rightarrow USS$	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 → ME	CALL CONTROL RESULT 2.4.1	[Call control result: "Allowed with modifications"]
4	$ME \to USS$	REGISTER 2.4A	The ME sends the supplementary
		or	service operation with the information as
		REGISTER 2.4B	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-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 2.4.1B

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 2.4A

Logically (only SS argument):

INTERROGATE SS ARGUMENT

SS-Code

- Call Forwarding Unconditional

Coding:

BER-TLV	30	03	04	01	21
---------	----	----	----	----	----

REGISTER 2.4B

Logically (only SS argument):

INTERROGATE SS ARGUMENT

SS-Code

- Call Forwarding Unconditional

LongFTN Supported

Coding:

BER-TLV	30	05	04	01	21	84	00
---------	----	----	----	----	----	----	----

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.: provisionedregistration ind.: registeredactivation 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)	
2	$ME \to USS$	command to the USIM. The ME does not set up the call.	

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

Step	Direction	Message / Action	Comments	
1	$User \to ME$	The user sets up a call to "123"		
2	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN	
		3.2.1A	parameters]	
		or	[Option B shall apply for PCS1900	
		ENVELOPE CALL CONTROL	parameters]	
		3.2.1B		
3	$UICC \to ME$	90 00		
4	$ME \rightarrow USS$	The ME sets up the call without	[Set up call to "123"]	
		modification		

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.

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-TLV:	D4	Note 1	82	02	82	81	86	03	81	21	F3	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.

Expected Sequence 3.3 (CALL CONTROL BY USIM, set up a call in EF_{FDN}, Allowed without modifications)

Step	Direction	Message / Action	Comments
1	$User \to ME$	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 3.3.1B	parameters]
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 modification	[Set up call to "9876"]

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-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 3.4.1

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	$User \to ME$	The user sets up a call to "9876"	
2	$ME \to UICC$	ENVELOPE CALL CONTROL 3.5.1A	[Option A shall apply for GERAN/UTRAN parameters]
		or	Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL 3.5.1B	parameters]
3	$UICC \to ME$		[Call control result: "Allowed with modifications"]
4	$ME \to USS$	The ME sets up the call with data sent by the UICC	[Set up call to "3333"]

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:

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	B3	B4	B5	B6	B7	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	$User \rightarrow ME$	The user sets up a call to	[Number as stored in record 1 of EF
_		"+1357924680"	BDN]
2	$ME \to UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		4.1.1A or	parameters] [Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		4.1.1B	[
3	$UICC \to ME$	CALL CONTROL RESULT 4.1.1	[Call control result: "Not Allowed"]
4	$\text{ME} \to \text{USS}$	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	Option A shall apply for GERAN/UTRAN
	ML 70100	4.1.2A	parameters
		or	Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
7	$UICC \to ME$	4.1.2B CALL CONTROL RESULT 4.1.2	[Call control result: "Allowed without
'	UICC → IVIE	CALL CONTROL RESULT 4.1.2	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	[Option A shall apply for GERAN/UTRAN
		4.1.3A or	parameters] [Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		4.1.3B	
11	$UICC \to ME$	CALL CONTROL RESULT 4.1.2	[Call control result: "Allowed without
40	ME 1100	The NAT and a sun the analysis the sest	modifications"]
12	$ME \rightarrow USS$	The ME sets up the call without modification	
13	$User \to ME$	The user sets up a call to "1111"	
14	$ME \rightarrow UICC$	ENVELOPE CALL CONTROL	[Option A shall apply for GERAN/UTRAN
		4.1.4A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL 4.1.4B	parameters]
15	$UICC \to ME$	CALL CONTROL RESULT 4.1.3	[Call control result: "Allowed with
			modifications"]
16	$ME \to USS$	The ME sets up the call with data	[Set up call to "2222"]
17	Heen ME	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	$\text{ME} \to \text{User}$	Ask for second application PIN	
4.0		verification	
19	$User \to ME$	The user shall enter the second	
20	$ME \rightarrow UICC$	application PIN Update EF EST to disable BDN	
-	/ 5.00	service	
21	$UICC \to ME$	UICC responds with SW = '90 00'	
22	$\text{ME} \to \text{User}$	Indicate that the BDN service was	
22	Lloor - ME	disabled successfully	The alpha identifier is not shanged !
23	$User \to ME$	The user uses the MMI to store the directory number	[The alpha identifier is not changed.]
		"+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	$ME \rightarrow User$	The user attempts to set up a call to '+876543210'.	
27a	$ME \to UICC$	No Envelope call control is sent	
~	/ 0.00	1	ı

27b	$ME \to USS$	The ME sets up the call without	
		modification	

ENVELOPE CALL CONTROL 4.1.1A

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										

ENVELOPE CALL CONTROL 4.1.1B

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 (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	06	91	31	75	29
	64	80	Note 2	13	07	00	11	10	00	01	00	01
	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 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 4.1.2A

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	

ENVELOPE CALL CONTROL 4.1.2B

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 (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	21	F3	Note 2
	13	07	00	11	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: Capability configuration parameters 1 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 4.1.3A

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-TLV:	D4	Note 1	82	02	82	81	86	04	81	21	43	65
	Note 2	13	Note 4	00	F1	10	00	01	00	01	Note 5	Note 3

ENVELOPE CALL CONTROL 4.1.3B

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 (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	04	81	21	43	65
<u></u>	Note 2	13	07	00	11	10	00	01	00	01	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 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 4.1.4A

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	

ENVELOPE CALL CONTROL 4.1.4B

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 (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	11	11	Note 2
	13	07	00	11	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: Capability configuration parameters 1 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

Expected Sequence 4.2A (CALL CONTROL BY USIM, BDN service enabled, interaction with emergency call codes, R99 only)

Step	Direction	Message / Action	Comments
1	$User \to ME$	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 → 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	$ME \rightarrow UICC$	No Envelope call control is sent	
2b	$ME \rightarrow USS$	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	$ME \rightarrow USS$	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	[Option A shall apply for GERAN/UTRAN
		4.3.1A	parameters]
		or	[Option B shall apply for PCS1900
		ENVELOPE CALL CONTROL	parameters]
		4.3.1B	
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 4.3.1A

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.

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	

ENVELOPE CALL CONTROL 4.3.1B

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-TLV:	D4	Note 1	82	02	82	81	86	03	81	21	F3	Note 2
	13	07	00	11	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: 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 $4.1\ \text{to}\ 4.3.$

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			[MT Call Set Up Without CLI]
6	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD	
		- MT Call 1.1.1	
7		CALL DISCONNECT	
8			[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: 1

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: C	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	,	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	$ME \rightarrow USS$	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

27.22.7.2.4.1 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.

27.22.7.2.4.2 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	/ 0.00	FETCH	
3	$UICC \rightarrow ME$	PROACTIVE COMMAND: SET UP	[EVENT: Call Connected active]
١.		EVENT LIST 2.1.1	
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
5	UICC → ME	EVENT LIST 2.1.1 PROACTIVE COMMAND	
5	OICC → IVIE	PENDING: SET UP CALL 2.1.1	
6	ME → UICC	FETCH	
7	/ 0.00	PROACTIVE COMMAND: SET UP	ISAT Call
'	OIGG / WIE	CALL 2.1.1	[erri can]
8	$ME \rightarrow USER$	ME displays "+012340123456"	ME BEHAVIOUR: SET UP CALL
		during the user confirmation	
		phase.	
9	$USER \to ME$	Confirm call set up	
10	$ME \to USS$	SETUP	Ti=0
11	$USS \to ME$	CONNECT	
12	$ME \rightarrow UICC$	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:

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 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-TI V	01	02	01	10	00	00	02	00	01	၀၁	Ω1	00
IDEK-ILV.	101	บง	I U I	I IU	I UU	02	I UZ	02	101	റാ	UI	I UU

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
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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	
40		DISCONNECTED 1.1.1	Lincoming coll 1 Ti O
13	USS → ME	SETUP	[incoming call] Ti=0
14		Accept Call Set Up	
15	00-11 / 111-	End Call	IMO DICCONNECTI
16	ME → USS	DISCONNECT	[MO DISCONNECT]
17	$ME \to UICC$	ENVELOPE: CALL DISCONNECTED 1.1.2A	
		I -	
		or	
		ENVELOPE: CALL	
		DISCONNECTED 1.1.2C	
18	$USS \to ME$	SETUP	[incoming call] Ti=0
19	$USER \to ME$		
20	$USS \to ME$	DISCONNECT	[MT DISCONNECT + CAUSE: normal call
		5. N. / El O.D. E. O.A. I.	clearing]
21	ME→ UICC		
		I -	
22	$USS \to MF$		$ _{Ti=0}$
			-
			IRADIO LINK FAILUREI
25			[]
	0.00	DISCONNECTED 1.1.4A or 1.1.4B	
19 20 21 22 23 24	$\begin{array}{c} \text{USER} \rightarrow \text{ME} \\ \text{USS} \rightarrow \text{ME} \\ \\ \text{ME} \rightarrow \text{UICC} \\ \\ \\ \text{USS} \rightarrow \text{ME} \\ \end{array}$	ENVELOPE: CALL DISCONNECTED 1.1.2C SETUP Accept Call Set Up DISCONNECT ENVELOPE: CALL DISCONNECTED 1.1.3A or ENVELOPE: CALL DISCONNECTED 1.1.3B SETUP Accept Call Set Up TX POWER to XX ENVELOPE: CALL	

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 5.2, 7.5 and clause 6.4.16

and

- UTRAN/GERAN for sequence 1.1
- E-UTRAN for sequence 1.2.

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.

To verify that the ME supporting E-UTRAN/EPC informs the UICC that an Event: EMM_IDLE state has occurred using the ENVELOPE (EVENT DOWNLOAD - Location Status) command.

To verify that the ME supporting E-UTRAN/EPC correctly encodes the E-UTRAN Cell Id in 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

For sequence 1.1 the ME is connected to the USIM Simulator and the USS.

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

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.

For sequence 1.2 the ME is connected to the USIM Simulator and the E-USS.

The default E-UTRAN/EPC UICC is used.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The E-UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;

For cell 1:

- Tracking Area Code (TAC) = 0001;

- E-UTRAN Cell Id = 0001 (28 bits);

For cell 2:

- Tracking Area Code (TAC) = 0002;
- E-UTRAN Cell Id = 0002 (28 bits).

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	
_		1.1.1	
2	$ME \rightarrow UICC$	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	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	
9	$ME \rightarrow USS$	LOCATION UPDATING	The ME is CS and/or PS registered
	WIE 7 000	REQUEST or ROUTING AREA	depending on its capabilities
		UPDATE REQUEST	aspensing on as espension
10	$USS \to ME$	LOCATION UPDATING ACCEPT	
		or ROUTING AREA UPDATE	
		ACCEPT	
11	$ME \to USS$	TMSI REALLOCATION	
		COMPLETE or ROUTING AREA	
40		UPDATE COMPLETE	IO (A L II L COEDAN/IITDAN
12	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD	[Option A shall apply for GERAN/UTRAN
		- Location Status 1.1.2A	parameters]
		or ENVELOPE: EVENT DOWNLOAD	[Option B shall apply for PCS1900 parameters]
		- Location Status 1.1.2B	[Note: The inclusion of the location
		Location Status 1.1.2D	information is optional: (If location status
			indicates normal status)

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1

Command type: SET UP EVENT LIST

Command qualifier: '00'

Device identities

Source device: 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
' <u>-</u>	01	03										

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number:

Command type: SET UP EVENT LIST

Command qualifier: '00'

qua

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
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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			

Expected Sequence 1.2 (EVENT DOWNLOAD -LOCATION STATUS, E-UTRAN)

Step	Direction	Message / Action	Comments
1	ME	The ME is registered to cell one and in EMM_IDLE	
2	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	
3	$ME \to UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	
6	E-USS	Cell 1 is switched off	
7	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Location Status 1.2.1	
8	E-USS	Cell 2 is switched on after Location Status 'No service' has been received in step 6	
9	ME	ME performs cell reselection to cell 2	
10	ME → E-USS	ME performs EPS ATTACH or TRACKING AREA UPDATE procedure	[E-UTRAN cell 2 accepts]
11	ME	ME reaches EMM_IDLE state	
12	ME → UICC	ENVELOPE: EVENT DOWNLOAD - Location Status 1.2.2	

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Same as PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1 in sequence 1.1

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Same as Terminal Response: SET UP EVENT LIST 1.1.1 in sequence 1.1

EVENT DOWNLOAD - LOCATION STATUS 1.2.1

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 1.2.2

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)

TAC 0002

E-UTRAN cell id: 0002 (28bits)

Coding:

BER-TLV:	D6	15	19	01	03	82	02	82	81	1B	01	00
	13	09	00	F1	10	00	02	00	00	00	2F	

27.22.7.4.1.5 Test requirement

The behaviour of the test shall be as defined in expected sequences 1.1 and 1.2.

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.

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.

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.

The Bearer Parameters defined in 27.22.4.26.1.4.1 shall be used.

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	$ME \rightarrow UICC$	FETCH	
3	$UICC \to ME$	PROACTIVE COMMAND: SET UP	[EVENT: Browser termination Status]
		EVENT LIST 1.1.1	
4	$ME \rightarrow UICC$	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: 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 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 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 context3, for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	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	$ME \rightarrow UICC$	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	
		(immediate) 1.1.1	
11	$ME \to USS$	Transfer of 8 Bytes of data to the USS	[To retrieve ME's port number]
40		through channel 1	[O
12	$ME \rightarrow UICC$	TERMINAL RESPONSE: SEND DATA	[Command performed successfully]
40	LICO ME	(immediate) 1.1.1	
13	$USS \to ME$	Data sent through the BIP channel	
		using the ME's port number, which was	
14	$ME \rightarrow UICC$	retrieved in step 11	
14	IVIE → UICC	ENVELOPE 1.1.1 (Event-Data	
		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: UD

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:

OPEN CHANNEL Command type:

Command qualifier: immediate link establishment

Device identities

Source device: ME Destination device: **UICC**

Result

General Result: Command performed successfully

Channel identifier 1 and link established or PDP context activated Channel status

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:

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: 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: 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 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 context3, for test cases using packet services:

Bearer Parameters: Same Bearer Parameters as defined in 27.22.4.27.2.4.1

GPRS Parameters: Same GPRS Parameters as defined in 27.22.4.27.2.4.1

UICC/ME interface transport level: Same UICC/ME transport interface level as defined in 27.22.4.27.2.4.1

Data destination address: Same Data Destination Address as defined in 27.22.4.27.2.4.1.

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	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	[command performed successfully]
		EVENT LIST 1.1.1	
5	$UICC \to ME$		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	
		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
		00		00	00	02	02	02		00		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	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: 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							

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

27.22.7.12.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.12.1.2 Conformance requirement

The ME shall support the EVENT: Access Technology Change event E-UTRAN as defined in:

- TS 31.111 [15] clause 4.7, 4.12, 7.5.12 and clause 8.61.

27.22.7.12.1.3 Test purpose

If the Access Technology Change event is part of the current event list (as set up by the last SET UP EVENT LIST command), then, when the terminal detects a change in its current access technology, verify that the terminal shall inform the UICC that this has occurred, by using the ENVELOPE (EVENT DOWNLOAD - Access Technology Change).

If the event is set up with support for multiple access technologies, the UICC shall be informed if any of the access technologies changes.

27.22.7.12.1.4 Method of test

27.22.7.12.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the UMTS System Simulator.

The default E-UTRAN/EPC UICC is used.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The E- UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Tracking Area Code (TAC) = 0001;
- E-UTRAN Cell Identity value = 0001 (28 bits);

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;

Expected Sequence 1.1 (EVENT DOWNLOAD – Access Technology Change, single access technology)

Step	Direction	Message / Action	Comments
1	UICC → ME	PROACTIVE COMMAND PENDING:	
		SET UP EVENT LIST 1.1.1	
2	ME → UICC	FETCH	
3	UICC → ME	PROACTIVE COMMAND: SET UP	
		EVENT LIST 1.1.1	
4	ME → UICC	TERMINAL RESPONSE: SET UP	
		EVENT LIST 1.1.1	
5	E-USS	ME detects a change in its current	E-UTRA cell is enabled and UTRA cell is
		access technology	disabled
6	ME → UICC	ENVELOPE: EVENT DOWNLOAD -	Access Technology = E-UTRAN
		Access technology change Event 1.1.1	
7	E-USS	ME detects a change in its current	E-UTRA cell is disabled and UTRA cell is
		access technology	enabled
8	ME → UICC	ENVELOPE: EVENT DOWNLOAD -	Access Technology = UTRAN
		Access technology change Event 1.1.2	

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: Access Technology Change (single access technology)

Coding:

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

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:

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

ENVELOPE: EVENT DOWNLOAD - Access Technology Change 1.1.1

Logically:

Event list: Access Technology Change (single access technology)

Device identities

Source device: ME
Destination device: UICC
Access Technology: E-UTRAN

Coding:

BER-TLV:	D6	0A	19	01	0B	82	02	82	81	3F	01	08

ENVELOPE: EVENT DOWNLOAD – Access Technology Change 1.1.2

Logically:

Event list: Access Technology Change (single access technology)

Device identities

Source device: ME
Destination device: UICC
Access Technology: UTRAN

Coding:

BER-TLV:	D6	0A	19	01	0B	82	02	82	81	3F	01	03

Expected Sequence 1.2 (EVENT DOWNLOAD – Access Technology Change, multiple access technologies)

TBD

27.22.7.13 Display parameter changed event

TBD

27.22.7.14 Local Connection event

TBD

27.22.7.15 Network search mode change event

27.22.7.15.1 Definition and applicability

See clause 3.2.2.

27.22.7.15.2 Conformance requirements

The ME shall support the network search mode mechanism, as described in TS 31.111 [15] clause 4.13.

27.22.7.11.3 Test purpose

To verify that the ME sends an ENVELOPE (EVENT DOWNLOAD – Network search mode change) to the UICC when network search mode is changed in 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. 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 is configured in automatic network search mode.

27.22.7.11.4.2 Procedure

Expected sequence 1.1 (EVENT DOWNLOAD – Network search mode change)

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	[EVENT: network search mode]
4	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	[command performed successfully]
5	User	The user sets the ME to manual network selection mode	
6	$ME \to UICC$	ENVELOPE 1.1.1 (Event - Network search mode change)	[changed to manual]
7	User	The user sets the ME to automatic network selection mode	
8	$ME \to UICC$	ENVELOPE 1.1.2 (Event - Network search mode change)	[changed to automatic]

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: Network search mode change

Coding:

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

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 - Network search mode change 1.1.1

Logically:

Event list

Event: Network search mode change

Device identities

Source device: ME
Destination device: UICC

Network search mode

Network search mode: manual

Coding:

BER-TLV:	D6	0A	99	01	0E	82	02	82	81	E5	01	00

ENVELOPE: EVENT DOWNLOAD - Network search mode change 1.1.2

Logically:

Event list

Event: Network search mode change

Device identities

Source device: ME
Destination device: UICC

Network search mode

Network search mode: automatic

Coding:

BER-TLV:	D6	0A	99	01	0E	82	02	82	81	E5	01	01	
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27.22.7.11.1.5 Test requirement

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

27.22.7.16 Browsing status event

TBD

27.22.7.17 Network Rejection Event

27.22.7.17.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.17.1.2 Conformance requirement

The ME shall support the EVENT: Network Rejection event E-UTRAN as defined in:

- TS 31.111 [15] clause 4.7, 5.2, 7.5.2, 8.62 and clause 8.99.

27.22.7.17.1.3 Test purpose

To verify that the ME informs the UICC with the Event Network Rejection about the Network Rejection.

To verify that the Rejection Cause Code sent to the UICC is the value from the EMM cause information element received from the E-UTRAN.

To verify that the correct Access Technology is indicated ENVELOPE: EVENT DOWNLOAD – Network Rejection after the unsuccessful attempt to access the E-UTRAN.

To verify that the correct Update/Attach Type is indicated ENVELOPE: EVENT DOWNLOAD - Network Rejection.

27.22.7.17.1.4 Method of test

27.22.7.17.1.4.1 Initial conditions

The ME is connected to the USIM Simulator and the E-USS.

The default E-UTRAN/EPC UICC is used.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The E-UTRAN parameters of the system simulator are:

- Mobile Country Code (MCC) = 001;
- Mobile Network Code (MNC) = 01;
- Tracking Area Code (TAC) = 0001;

27.22.7.17.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - Network Rejection, ATTACH REJECT)

Step	Direction	Message / Action	Comments
1	E-USS	No E-UTRAN available	
2	$USER \to ME$	Switch on the terminal	
3	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST	
		1.1.1	
4	$ME \rightarrow UICC$		
5	$UICC \to ME$	PROACTIVE COMMAND: SET UP	
		EVENT LIST 1.1.1	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP	
		EVENT LIST 1.1.1	
7	E-USS	The E-UTRAN cell is switched on	
8	$USER \rightarrow ME$	The terminal is made to start a	
		registration attempt to the E-USS	
9	$ME \rightarrow E-USS$	•	
		CONNECTION and therefore	
		starts the EPS Attach procedure	
10	E-USS→ ME	The E-USS sends EMM ATTACH	
		REJECT with cause "PLMN not	
		allowed"	
11	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD	
		 Network Rejection 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: Network Rejection

Coding:

BER-TLV:	D0	0C	81	03	01	05	00	82	02	81	82	99
	01	12										

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	l
----------	----	----	----	----	----	----	----	----	----	----	----	----	---

ENVELOPE: EVENT DOWNLOAD - Network Rejection 1.1.1

Logically:

Event list: Network Rejection

Device identities

Source device: Network
Destination device: UICC

Tracking Area Identification

MCC: 001
MNC: 01
TAC: 0001
Access Technology: E-UTRAN
Update/Attach Type: EPS Attach

Rejection Cause Code: PLMN not allowed

Coding:

BER-TLV:	D6	17	19	01	12	82	02	83	81	7D	05	00
	F1	10	00	01	3F	01	08	74	01	09	75	01
	0B											

Expected Sequence 1.2 (EVENT DOWNLOAD – Network Rejection, TRACKING AREA UPDATE REJECT)

Step	Direction	Message / Action	Comments
1	E-USS	No E-UTRAN available	
2	$USER \to ME$	Switch on the terminal	
3	$UICC \to ME$	PROACTIVE COMMAND	
		PENDING: SET UP EVENT LIST 1.1.1	
4	$ME \rightarrow UICC$	FETCH	
5	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	
6	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	
7	E-USS	The E-UTRAN cell is switched on	
8	USER→ ME	The terminal is made to start a registration attempt to the E-USS	
9	ME→ E-USS	The terminal send TRACKING AREA UPDATE request	
10	E-USS → ME	The E-USS sends EMM ATTACH REJECT with cause "TRACKING AREA not allowed"	
11	$ME \rightarrow UICC$	ENVELOPE: EVENT DOWNLOAD - Network Rejection 1.2.1	

EVENT DOWNLOAD - Network Rejection 1.2.1

Logically:

Event list: Network Rejection

Device identities

Source device: Network
Destination device: UICC

Tracking Area Identification

MCC: 001
MNC: 01
TAC: 0001
Access Technology: E-UTRAN
Update/Attach Type: TA Updating

Rejection Cause Code: Tracking Area not allowed

Coding:

BER-TLV:	D6	17	19	01	12	82	02	83	81	7D	05	00
	F1	10	00	01	3F	01	08	74	01	0B	75	01
	0C											

27.22.7.17.1.5 Test requirement

The ME shall operate in the manner defined in expected sequences 1.1 and 1.2.

27.22.7.18 CSG Cell Selection event

27.22.7.18.1 CSG Cell Selection (normal)

27.22.7.18.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.18.1.2 Conformance requirement

The ME shall support the EVENT: CSG Cell selection 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, 8.101, 8.102, 8.103.

27.22.7.18.1.3 Test purpose

To verify that the ME informs the UICC that an Event: CSG Cell selection has occurred using the ENVELOPE (EVENT DOWNLOAD - CSG Cell selection) command when the ME detects a change in its current CSG cell selection status.

27.22.7.18.1.4 Method of test

27.22.7.18.1.4.1 Initial conditionsThe ME is connected to the USIM Simulator and the E-USS.

The ME shall be powered on and perform the PROFILE DOWNLOAD procedure.

The E-USS transmits on three cells:

Network parameters of cell 1:

- TAI (MCC/MNC/TAC): 246/081/0001.

Access control: unrestricted.

- csg-Indication: TRUE

- csg-Identity: 01

- Broadcast information: Cell 3 is included in the neighbour list information.

Network parameters of cell 2:

- TAI (MCC/MNC/TAC): 246/081/0002.

- Access control: unrestricted.

- csg-Indication: TRUE

- csg-Identity: 02

- Home (e)NB Name HOME 02

Network parameters of cell 3:

- TAI (MCC/MNC/TAC): 246/081/0003.

- Access control: unrestricted.

- csg-Indication: FALSE

Cell 1 and Cell 2 are initially disabled. Cell 3 is enabled.

The default E-UTRAN/EPC UICC, the default E-UTRAN parameters and the following parameters are used:

EF_{UST} (USIM Service Table)

EF_{UST} shall be configured as defined in 27.22.2B.1 with the exception that Service 86 "Allowed CSG Lists and corresponding indications" is available.EF_{ACSGL} (Allowed CSG Lists)Logically:

1st CSG list

PLMN: 246 081 (MCC MNC)

1st CSG list 1st CSG Type indication 01 1st CSG list 1st CSG HNB Name indication 01 1st CSG list 1st CSG CSG ID: 01 (27bit)

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	A0	0E	80	03	42	16	80	81	06	01
	B11	B12	B13	B14	B15					
	01	00	00	00	3F					

All other records are empty.

EF_{CSGT} (CSG Type)

Record 1:

Logically: Group ONE

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	89	13	80	00	47	00	72	00	6F	00
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	75	00	70	00	20	00	4F	00	4E	00
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	45	FF	FF	FF	FF	FF	FF	FF	FF	FF

EF_{HNBN} (Home (e)NodeB Name)

Record 1:

Logically: Home ONE

Byte:	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10
Coding:	80	11	80	00	48	00	6F	00	6D	00
	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
	65	00	20	00	4F	00	4E	00	45	FF
	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

27.22.7.18.1.4.2 Procedure

Expected Sequence 1.1 (EVENT DOWNLOAD - CSG Cell Selection event)

Step	Direction	Message / Action	Comments
1	ME	The ME is registered to cell 3 and in EMM_IDLE	Cell 3 = macro cell
2	$UICC \to ME$	PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1	
3	$ME \to UICC$	FETCH	
4	$UICC \to ME$	PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1	
5	$ME \rightarrow UICC$	TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1	
6	E-USS	Cell 2 is enabled	
7	User→ ME	A manual CSG cell selection is performed. CSG ID=02 is selected.	
8	E-USS→ME	AttachReject with rejection cause #25 (not authorized for this CSG)	No ENVELOPE command is sent.
9	E-USS	Cell 2 is disabled Cell 1 is enabled	
10	User→ME	A manual CSG cell selection is performed. CSG ID=01 is selected.	
11	ME → UICC	ENVELOPE: EVENT DOWNLOAD - CSG Cell selection 1.1.1A OR ENVELOPE: EVENT DOWNLOAD - CSG Cell selection 1.1.1B	Camping on CSG cell, CSG ID=01
12	E-USS	Cell 1 is disabled	
13	ME → UICC	= ENVELOPE: EVENT DOWNLOAD - CSG Cell selection 1.1.2	Leaving CSG cell with CSG ID=01. Not camped on a CSG cell.

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: '15' CSG Cell selection Event

Coding:

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

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 - CSG CELL SELECTION 1.1.1A

Logically:

Event list

Event 1: CSG Cell selection

Device identities

Source device: Network
Destination device: UICC

Access Technology

Technology: E-UTRAN

CSG Cell selection status: Byte 1 = "01" (camped on a CSG or Hybrid cell of the Operator CSG list or

Allowed CSG list), additional information not available

CSG id 01 (27 bit)

HNB name "Home ONE" (from USIM)

Coding:

BER-TLV:	D6	27	19	01	15	82	02	83	81	3F	01	08
	55	02	01	00	56	04	00	00	00	3F	57	11
	80	00	48	00	6F	00	6D	00	65	00	20	00
	4F	00	4E	00	45							

EVENT DOWNLOAD - CSG CELL SELECTION 1.1.1B

Logically:

Event list

Event 1: CSG Cell selection

Device identities

Source device: Network
Destination device: UICC

Access Technology

Technology: E-UTRAN

CSG Cell selection status: Byte 1 = "01" (camped on a CSG or Hybrid cell of the Operator CSG list of

Allowed CSG list), additional information: result of a manual CSG cell

selection.

CSG id 01 (27 bit)

HNB name "Home ONE" (from USIM)

Coding:

BER-TLV:	D6	27	19	01	15	82	02	83	81	3F	01	80
-	55	02	01	41	56	04	00	00	00	3F	57	11
	80	00	48	00	6F	00	6D	00	65	00	20	00
	4F	00	4F	ΛΛ	45							

EVENT DOWNLOAD - CSG CELL SELECTION 1.1.2

Logically:

Event list

Event 1: CSG Cell selection

Device identities

Source device: Network
Destination device: UICC

Access Technology

Technology: E-UTRAN

CSG Cell selection status: Byte 1 = '00' (Not camped on a CSG or Hybrid cell), additional information

not available

Coding:

BER-TLV:	D6	0E	19	01	15	82	02	83	81	3F	01	08
	55	02	00	00								

27.22.7.18.1.5 Test requirement

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

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 coding8-bit dataMessage classclass 0TP-UDL12

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 coding8-bit dataMessage classclass 0TP-UDL12

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"	[The display of the Alpha Identifier shall not be verified]
5	ME -> UICC	ENVELOPE : MO SHORT MESSAGE CONTROL 1.1.1A or	[Option A shall apply for 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	MF→ 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 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:

I	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 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
		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 1.5.1	['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	1.1.1A or	[Option A shall apply for GERAN/UTRAN parameters] [Option B shall apply for PCS1900 parameters]
6	UICC -> ME	90 00	
7	ME ->USS		[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	$User \to ME$	The user makes a SMS with the user data 'Test	[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	$ME \to UICC$		[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	$UICC \to ME$	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 TS 31.111 [15] 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):

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 12 T4: 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 MF

Type of file:

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

3V Technology SIM Technology identification:

disabled

DFs in current directory: EFs in current directory: 8 Number of CHV and admin. Codes: 3 00 RFU byte 18:

CHV1 status:

3 False representations remaining: 000 RFU-bits 7-5: 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 Initialized Secret code:

Unlock CHV2 status:

10 False representations remaining: 000 RFU-bits 7-5: Secret code: Initialized RFU bytes 23:

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	C279		PD_SMS_PP
3	1.3	Cell Broadcast data download	TS 31.111 §5.2	R99	C279		PD_CB
4	1.4	Menu selection	TS 31.111 §5.2	R99	C267 AND C268		PD_Menu_sel
5	1.5	Bit =1 if SMS-PP data Download supported	TS 31.111 §5.2	R99	C279		PD_SMS_PP
6	1.6	Timer expiration	TS 31.111 §5.	R99	М		PD_TExpir
7	1.7	Bit=1 if Call control supported	TS 31.111 §5.2.	R99	C270 AND C279		PD_CC
8	1.8	Bit=1 if Call control supported	TS 31.111 §5.2	R99	C270 AND C279		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	C270 AND C279		PD_CC
11	2.3	Bit=1 if Call control supported	TS 31.111 §5.2	R99	C270 AND C279		PD_CC
12	2.4	MO short message control by USIM	TS 31.111 §5.2	R99	C279		PD_MO_SMS_CC
13	2.5	Bit=1 if Call control supported	TS 31.111 §5.2	R99	C270 AND C279		PD_CC
14	2.6	UCS2 Entry supported	TS 31.111 §5.2	R99	C203 AND C268		PD_UCS2_entry
15	2.7	UCS2 Display supported	TS 31.111 §5.2	R99	C204 AND C267		PD_UCS2_Display
16	2.8	Bit=1 if Display Text supported	TS 31.111 §5.2	R99	C267		PD_Display_Text
17	3.1	DISPLAY TEXT	TS 31.111 §5.2	R99	C267		PD_Display_Text
18	3.2	GET INKEY	TS 31.111 §5.2	R99	C267 AND C268		PD_Get_Inkey
19	3.3	GET INPUT	TS 31.111 §5.2	R99	C267 AND C268		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	C269		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	М		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	C267 AND C268		PD_Select_Item
26	4.2	SEND SHORT MESSAGE	TS 31.111 §5.2	R99	C279		PD_Send_SMS
27	4.3	SEND SS	TS 31.111 §5.2	R99	C279		PD_Send_SS
28	4.4	SEND USSD	TS 31.111 §5.2	R99	C279		PD_Send_USSD

Item	Byte.bit	Terminal Profile	Ref.	Release	Status	Support Mnemonic
29	4.5	SET UP CALL	TS 31.111 §5.2	R99	C267	PD_SetUp_Call
					AND	
					C268	
					AND	
					C270	
					AND C279	
30	4.6	SET UP MENU	TS 31.111 §5.2	R99	C279	PD_SetUp_Menu
30	4.0	SET OF WILING	10 31.111 93.2	1133	AND	I D_SetOp_Mend
					C268	
31	4.7	PROVIDE LOCAL	TS 31.111 §5.2	R99	M	PD_Provide_Local
		INFORMATION (LOCI &				
		IMEI)				
32	4.8	PROVIDE LOCAL	TS 31.111 §5.2	R99	C279	PD_Provide_Local_N
		INFORMATION (NMR)				MR
33	5.1	SET UP EVENT LIST	TS 31.111 §5.2	R99	M	PD_Setup_Evt_List
34	5.2	Event: MT call	TS 31.111 §5.2	R99	C270	PD_MT_Call
					AND C279	
35	5.3	Event: Call connected	TS 31.111 §5.2	R99	C279	PD_Call_Conn
33	5.5	L vent. Can connected	10 01.111 90.2	1133	AND	D_Call_Colli
					C279	
36	5.4	Event: Call disconnected	TS 31.111 §5.2	R99	C270	PD Call Disc
					AND	
					C279	
37	5.5	Event: Location status	TS 31.111 §5.2	R99	M	PD_Loc_Status
38	5.6	Event: User activity	TS 31.111 §5.2	R99	C268	PD_User_Act
39	5.7	Event: Idle screen	TS 31.111 §5.2	R99	C267	PD_ldle_Scr_Avail
		available			0000	
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	C271	PD_Lang_Select
42	6.2	Event: Browser Termination	TS 31.111 §5.2	R99	C212 AND	PD_Browser_Term
		Termination			C267	
					AND	
					C268	
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	TS 31.111 §5.2	Rel-4	М	PD_Evt_ATC
		Change				
46	6.6	Event: Display Parameters	TS 31.111 §5.2	Rel-4	C218	PD_Disp_Resiz
		Changed			AND	
4-	0.7	Frank La 10 d	TO 04 111 07 0	 	C267	
47	6.7	Event: Local Connection	TS 31.111 §5.2	Rel-4	C224	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	7.1	POWER OF 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	TS 31.111 §5.2	R99	C206	PD_Get_Rdr_Status
32	, · · - ·	(Card reader status)		133	5200	D_OCI_INIT_ORANGE
53	7.5	GET READER STATUS	TS 31.111 §5.2	R99	C208	PD Get Rdr_ld
		(Card reader identifier)	3			
54	7.6	RFU	TS 31.111 §5.2	R99	Х	PD_RFU_54
55	7.7	RFU	TS 31.111 §5.2	R99	Х	PD_RFU_55
56	7.8	RFU	TS 31.111 §5.2	R99	Х	PD_RFU_56
57	8.1	TIMER MANAGEMENT	TS 31.111 §5.2	R99	М	PD_Timer_Mgt_Start
		(start, stop)				_Stop
58	8.2	TIMER MANAGEMENT	TS 31.111 §5.2	R99	M	PD_Timer_Val
	0.0	(get current value)	TO 04 444 05 0	Doo	N 4	
59	8.3	PROVIDE LOCAL	TS 31.111 §5.2	R99	M	PD_Provide_Local_D
		INFORMATION (date, time				_Time
60	8.4	and time zone) Bit=1 if Get Inkey	TS 31.111 §5.2	R99	C268	PD_Get_Inkey
00	J. ↑	DR-111 Oct liney	1.001.111 30.2	1100	0200	I D_Oet_IIIkey

Item	Byte.bit		Ref.	Release	Status	Support	Mnemonic
61	8.5	SET UP IDLE MODE TEXT	TS 31.111 §5.2	R99	C267		PD_Stup_ld_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	C267 AND C268 AND C270		PD_SetUp_Call
64	8.8	Bit=1 if Call Control	TS 31.111 §5.2	R99	C270 AND C279		PD_CC
65	9.1	Bit=1 if Display Text	TS 31.111 §5.2	R99	C267		PD_Display_Text
66	9.2	SEND DTMF command	TS 31.111 §5.2	R99	C270 AND C279		PD_Send_DTMF
67	9.3	Bit = 1 if Provide Local Information (NMR) supported	TS 31.111 §5.2	R99	C279		PD_Provide_Local
68	9.4	PROVIDE LOCAL INFORMATION (language)	TS 31.111 §5.2	R99	М		PD_Provide_Local_L S
69	9.5	PROVIDE LOCAL INFORMATION (Timing Advance)	TS 31.111 §5.2	R99	C280		PD_Provide_Local_T A
70	9.6	LANGUAGE NOTIFICATION	TS 31.111 §5.2	R99	C271		PD_Lang_Notif
71	9.7	LAUNCH BROWSER	TS 31.111 §5.2	R99	C212 AND C267 AND C268		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	Х		PD_RFU_75
76	10.4	RFU	TS 31.111 §5.2	R99	Χ		PD_RFU_76
77	10.5	RFU	TS 31.111 §5.2	R99	X		PD_RFU_77
78	10.6	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_78
79	10.7	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_79
80	10.8	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_80
81	11.1	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
82	11.2	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
83	11.3	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
84	11.4	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
85	11.5	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
86	11.6	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
87	11.7	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
88	11.8	Maximum number of soft keys available ('FF' = RFU)	TS 31.111 §5.2	R99	C214		PD_Max_SoftKey
89	12.1	OPEN CHANNEL	TS 31.111 §5.2	R99	C223	 	PD_Open_Ch
90	12.2	CLOSE CHANNEL	TS 31.111 §5.2	R99	C223	1	PD_Close_Ch
91	12.3	RECEIVE DATA	TS 31.111 §5.2	R99	C223	1	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

	Byte.bit		Ref.	Release	Status	Support	Mnemonic
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		PD_Get_Serv_Info
96	12.8	DECLARE SERVICE	TS 31.111 §5.2	Rel-4	C224		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		PD_BT
100	13.4	IrDA Supported by terminal	TS 31.111 §5.2	Rel-4	C226		PD_IrDA
101	13.5	RS232 Supported by terminal	TS 31.111 §5.2	Rel-4	C227		PD_RS232
102	13.6	Number of channels supported by ME	TS 31.111 §5.2	R99	C257		PD_Nb_Channel
103	13.7	Number of channels supported by ME	TS 31.111 §5.2	R99	C257		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	C274		PD_Nb_Char
106	14.2	Number of characters supported down the ME	TS 31.111 §5.2	R99	C274		PD_Nb_Char
107	14.3	Number of characters supported down the ME	TS 31.111 §5.2	R99	C274		PD_Nb_Char
108	14.4	Number of characters supported down the ME	TS 31.111 §5.2	R99	C274		PD_Nb_Char
109	14.5	Number of characters supported down the ME	TS 31.111 §5.2	R99	C274		PD_Nb_Char
110	14.6	No display capability (i.e class "ND" is indicated)	TS 31.111 §5.2	Rel-8	C276		PD_Type_ND
111	14.7	No keypad available (i.e. class "NK" is indicated)	TS 31.111 §5.2	Rel-8	C277		PD_Type_NK
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	C274		PD_Nb_Char_Disp
114	15.2	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C274		PD_Nb_Char_Disp
115	15.3	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C274		PD_Nb_Char_Disp
116	15.4	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C274		PD_Nb_Char_Disp
117	15.5	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C274		PD_Nb_Char_Disp
118	15.6	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C274		PD_Nb_Char_Disp
119	15.7	Number of characters supported across the ME display	TS 31.111 §5.2	R99	C274		PD_Nb_Char_Disp
120	15.8	Variable size fonts Supported	TS 31.111 §5.2	R99	C274		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	C273		PD_Txt_Wrap
123	16.3	Text Scrolling supported	TS 31.111 §5.2	R99	C273		PD_Txt_Scroll
124	16.4	Text attributes supported	TS 31.111 §5.2	Rel-5	C228		PD_Text_Attrib
125	16.5	RFU	TS 11.14, 5	R96	Х		PD_RFU_125
126	16.6	Width reduction when in a menu	TS 31.111 §5.2	R99	C274	+	PD_Width_Reduc
127	16.7	Width reduction when in a menu	TS 31.111 §5.2	R99	C274		PD_Width_Reduc
-	_	-	-		_		

Item	Byte.bit	Terminal Profile	Ref.	Release	Status Su	pport Mnemonic
128	16.8	Width reduction when in a menu	TS 31.111 §5.2	R99	C274	PD_Width_Reduc
129	17.1	TCP, UICC in client mode	TS 31.111 §5.2	R99	C220	PD_TCP
130	17.2	UDP, UICC in client mode	TS 31.111 §5.2	R99	C221	PD_UDP
131	17.3	TCP, UICC in server mode (i.e. class "k" is supported)	TS 31.111 §5.2	Rel-7	C262	PD_TCP_UICC_Serv erMode
132	17.4	TCP, Terminal in server mode (i.e. class "k" is supported)	TS 31.111 §5.2	Rel-7	C263	PD_TCP_Terminal_S erverMode
133	17.5	UDP, Terminal in server mode (i.e. class "k" is supported)	TS 31.111 §5.2	Rel-7	C264	PD_UDP_Terminal_ ServerMode
134	17.6	Direct communication channel (i.e. class "k" is supported)	TS 31.111 §5.2	Rel-10	C284	Direct_Com_Channel
135	17.7	E- UTRAN (i.e. if class "e" is supported)	TS 31.111 §5.2	Rel-8	C275	PD_E_UTRAN
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	PD_Disp_Var_Timeo ut
138	18.2	GET INKEY (help is supported while waiting for immediate response or variable time out)	TS 31.111 §5.2	Rel-4	C231	PD_Get_Inkey_Help
139	18.3	USB (Bearer Independent protocol supported bearers, class "e")	TS 31.111 §5.2	Rel-4	C232	PD_USB
140	18.4	GET INKEY (Variable time out)	TS 31.111 §5.2	Rel-4	C229 AND C267 AND C268	PD_Get_Inkey_Var_ Timeout
141	18.5	Reserved for 3GPP2: PROVIDE LOCAL INFORMATION (ESN)	TS 31.111 §5.2	R99	Х	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	X	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	19.5	RFU	TS 31.111 §5.2	R99	X	PD_RFU_149
150	19.6	RFU	TS 31.111 §5.2	R99	X	PD_RFU_150
151	19.7	RFU	TS 31.111 §5.2	R99	X	PD_RFU_151
152	19.8	RFU	TS 31.111 §5.2	R99	Х	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	X	Reserved
155	20.3	Reserved by TIA/EIA/IS- 820 [25]	TS 31.111 §5.2	R99	X	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
158	20.6	Reserved by TIA/EIA/IS- 820 [25]	TS 31.111 §5.2	R99	Х	Reserved
159	20.7	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
160	20.8	Reserved by TIA/EIA/IS- 820 [25]	TS 31.111 §5.2	R99	Х		Reserved
161	21.1	WML browser supported	TS 31.111 §5.2	Rel-6	C233 AND C267		PD_WML
162	21.2	XHTML browser supported	TS 31.111 §5.2	Rel-6	C234 AND C267		PD_XHTML
163	21.3	HTML browser supported	TS 31.111 §5.2	Rel-6	C235 AND C267		PD_HTML
164	21.4	CHTML browser supported	TS 31.111 §5.2	Rel-6	C236 AND C267		PD_CHTML
165	21.5	RFU	TS 31.111 §5.2	R99	Х		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	Х		PD_RFU_167
168	21.8	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_168
169	22.1	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_M_T_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	Toolkit-initiated GBA	TS 31.111 §5.2	Rel-6	C266		PD_Toolkit_GBA
174	22.6	RETRIEVE MULTIMEDIA MESSAGE, (if class "j" is supported)	TS 31.111 §5.2	Rel-6	C238		PD_Retrieve_MMS
175	22.7	SUBMIT MULTIMEDIA MESSAGE, (if class "j" is supported)	TS 31.111 §5.2	Rel-6	C238		PD_Submit_MMS
176	22.8	DISPLAY MULTIMEDIA MESSAGE, (if class "j" is supported)	TS 31.111 §5.2	Rel-6	C238 AND C267		PD_Display_MMS
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	MMS notification download (if class "j" is supported)	TS 31.111 §5.2	Rel-6	C238		PD_MMS_Notification
180	23.4	Alpha Identifier in REFRESH command supported by terminal	TS 31.111 §5.2	Rel-7	C267		PD_Refresh_Alphald entifier
181	23.5	Geographical Location Reporting (if class "n" is supported)	TS 31.111 §5.2	Rel-8	C265		PD_Geo_Loaction_R eporting
182	23.6	Reserved for 3GPP2: PROVIDE LOCAL INFORMATION (MEID)	TS 31.111 §5.2	Rel-6	Х		Reserved
183	23.7	PROVIDE LOCAL INFORMATION (NMR (UTRAN/E-UTRAN))	TS 31.111 §5.2	Rel-6	C278		PD_Provide_Local_N MR
184	23.8	USSD Data Download and application mode	TS 31.111 §5.2	Rel-6	C272		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

Item	Byte.bit	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
186	24.2	Maximum number of	TS 31.111 §5.2	Rel-6	C256	Cuppert	PD_Max_Frames
		frames supported (if class	0				
		'i' supported)					
187	24.3	Maximum number of	TS 31.111 §5.2	Rel-6	C256		PD_Max_Frames
		frames supported (if class					
400	24.4	'i' supported)	TC 24 444 SE 2	Dalic	0050		DD May France
188	24.4	Maximum number of frames supported (if class	TS 31.111 §5.2	Rel-6	C256		PD_Max_Frames
		'i' supported)					
189	24.5	RFU	TS 31.111 §5.2	R99	Х		PD_RFU_189
190	24.6	RFU	TS 31.111 §5.2	R99	X		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	Х		PD_RFU_192
193	25.1	Event: browsing status	TS 31.111 §5.2	Rel-6	C212		PD_Browser_Stat
		_			AND		
					C267		
					AND		
404	05.0	Freezet MANO Transfer	TO 04 444 SE 0	Rel-6	C268		DD MMO
194	25.2	Event: MMS Transfer status (if class "j" is	TS 31.111 §5.2	Rei-6	C238		PD_MMS
		supported)					
195	25.3	Event Frame parameters	TS 31.111 §5.2	Rel-6	C237		PD_Event_Frames
	20.0	changed (if class 'i'	10 011111 30.2	11010	0201		B_EVOIR_FIGHTOO
		supported)					
196	25.4	Event: I-WLAN Access	TS 31.111 §5.2	Rel-7	C260		PD_RFU_Event_I-
		status (if class "e" is					WLAN
		supported)					
197	25.5	Event: Network Rejection	TS 31.111 §5.2	Rel-8	C279		PD_Event_NW_Reje
400	05.0	D 11 FT01	TO 04 444 05 0	D 1 7	_		ction
198	25.6	Reserved by ETSI	TS 31.111 §5.2	Rel-7	0		PD_Reserved
199	25.7	Event: Network Rejection for E-UTRAN	TS 31.111 §5.2	Rel-8	C283		PD_ Event_NW_Rejection
		IOI E-OTRAIN					_E_UTRAN
200	25.8	Multiple access	TS 31.111 §5.2	Rel-8	0		PD_Multiple_ACT
		technologies supported in	0				
		Event Access Technology					
		Change and Provide Local					
004	00.4	Information	TO 04 444 0F 0	5.10	0004		DD 5 1 000 0 II
201	26.1		TS 31.111 §5.2	Rel-9	C281		PD_Event_CSG_Cell
202	26.2	(if class "q" is supported)	TS 31.111 §5.2	Pol 0	0		_Selection
203	26.3	Reserved by ETSI RFU	TS 31.111 §5.2	Rel-9 Rel-6	X		PD_Reserved 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
209	27.1	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_209
210	27.2	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_210
211	27.3	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_211
212	27.4	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_212
213	27.5	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_213
214	27.6	RFU	TS 31.111 §5.2	Rel-6	X		PD_RFU_214
215	27.7	RFU	TS 31.111 §5.2	Rel-6	X	ļ	PD_RFU_215
216	27.8	RFU	TS 31.111 §5.2	Rel-6	X		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
210	20.2	Supported	TS 31.111 §5.2	Pol F	COAE		er PD_Text_Attrib_Righ
219	28.3	Alignment right supported	13 31.111 95.2	Rel-5	C245		FD_TEXL_AMID_RIGN
220	28.4	Font size normal supported	TS 31.111 85.2	Rel-5	C246	<u> </u>	PD_Text_Attrib_Nor
220	20.7	i on oizo nomiai oappoitea	. 5 51.111 35.2	1.010	0240		mal
221	28.5	Font size large supported	TS 31.111 §5.2	Rel-5	C247		PD_Text_Attrib_Larg
		3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	30.3				e

Item	Byte.bit	it Terminal Profile Ref. Release Status Suppor		Support	Mnemonic		
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_ Underl
229	29.5	Style strikethrough supported	TS 31.111 §5.2	Rel-5	C253		PD_Text_Attrib_Styl_ Strik
230	29.6	Style text foreground colour supported	TS 31.111 §5.2	Rel-5	C254		PD_Text_Attrib_Styl_ Text_Fore
231	29.7	Style text background colour supported	TS 31.111 §5.2	Rel-5	C255		PD_Text_Attrib_Styl_ Text_Back
232	29.8	RFU	TS 31.111 §5.2	Rel-6	Х		PD_RFU_224
233	30.1	I-WLAN bearer support (if class "e" is supported)	TS 31.111 §5.2	Rel-7	C260		PD_I-WLAN
234	30.2	Proactive UICC: PROVIDE LOCAL INFORMATION (WSID of the current I- WLAN connection)	TS 31.111 §5.2	Rel-7	C260		PD_Provide_Local_ WSID_WLAN
235	30.3	TERMINAL APPLICATIONS (i.e. class "k" is supported)	TS 31.111 §5.2	Rel-7	C261	PD_Terminal_Apations	
236	30.4	"Steering of Roaming" REFRESH support	TS 31.111 §5.2	Rel-7	M		PD_Steering_Of_Ro aming
237	30.5	Reserved by ETSI	TS 31.111 §5.2	Rel-7	0		PD_Reserved
238	30.6	Proactive UICC: Geographical Location Request (if class "n" is supported)	TS 31.111 §5.2	Rel-8	C265		PD_Geo_Loaction_R equest
239	30.7	Reserved by ETSI	TS 31.111 §5.2	Rel-8	0		PD_Reserved
240	30.8	"Steering of Roaming for I- WLAN" REFRESH support	TS 31.111 §5.2	Rel-8	C260		PD_Steering_Of_Ro aming _I-WLAN
241	31.1	Reserved by ETSI	TS 31.111 §5.2	Rel-9	0		PD_Reserved

Item	Byte.bit	Terminal Profile	Ref.	Release	Status	Support	Mnemonic
242	31.2	Support of CSG cell discovery (if class "q" is supported)	TS 31.111 §5.2	Rel-9	C282		PS_CSG_Cell_Disco very
243	31.3	Confirmation parameters supported for OPEN CHANNEL in Terminal Server Mode	TS 31.111 §5.2	Rel-9	C285		PD_Open_Channel_ Conf_Parameters
244	31.4	Communication Control for IMS	TS 31.111 §5.2	Rel-9	C286		PD_IMS_COMMUNI CATION_CONTROL
245	31.5	Support of CAT over the modem interface (if class "s" is supported)	TS 31.111 §5.2	Rel-9	C287		PD_CAT_Modem_Int erface
246	31.6	Support for Incoming IMS Data event (if classes "e" and "t" are supported)	TS 31.111 §5.2	Rel-9	C288		PD_Incoming_IMS_D ata_Event
247	31.7	Support for IMS Registration event (if classes "e" and "t" are supported)	TS 31.111 §5.2	Rel-9	C289		PD_IMS_Reg_Event
248	31.8	Reserved by ETSI	TS 31.111 §5.2	Rel-9	0		PD_Reserved
249	32.1	IMS support (if class "e" and "t" are supported)	TS 31.111 §5.2	Rel-10	C290		PD_UICC_ACCESS_ IMS
250	32.2	RFU	TS 31.111 §5.2	Rel-10	Х		PD_RFU_250
251	32.3	RFU	TS 31.111 §5.2	Rel-10	Χ		PD_RFU_251
252	32.4	RFU	TS 31.111 §5.2	Rel-10	Χ		PD_RFU_252
253	32.5	RFU	TS 31.111 §5.2	Rel-10	Χ		PD_RFU_253
254	32.6	RFU	TS 31.111 §5.2	Rel-10	Х		PD_RFU_254
255	32.7	RFU	TS 31.111 §5.2	Rel-10	Х		PD_RFU_255
256	32.8	RFU	TS 31.111 §5.2	Rel-10	Χ		PD_RFU_256

C201	[void]	[void]
C202	[void]	[void]
C203	IF A.1/3 THEN M ELSE O.1	O_Ucs2_Entry
C204	IF A.1/15 THEN M ELSE O.1	O_Ucs2_Disp
C205	[void]	[void]
C206	IF A.1/7 THEN M ELSE O	O_Dual_Slot
C207	IF A.1/12 THEN M ELSE O.1	O_BIP_CSD
C208	IF (A.1/7 AND A.1/8) THEN M ELSE O.1	O_Dual_Slot AND O_Detach_Rdr
C209	IF A.1/9 THEN M ELSE O.1	O_Run_At
C210	[void]	[void]
C211	[void]	[void]
C212	IF A.1/10 THEN M ELSE O	O_LB
C213	IF (A.1/11 AND A.1/85) THEN M for at least one of the bits 1 - 2 of byte 10	O_Softkey AND O_No_Type_NK
C214	IF C213 THEN M for at least one, but not for all of the bits 1 - 8 of byte 11	O_Softkey AND O_No_Type_NK (parameters)
C215	Void	Void
C216	IF (A.1/13 AND A.1/84) THEN M ELSE O.1	O_Scr_Siz AND O_No_Type_ND
C217	Void	Void
C218	IF (A.1/14 AND A.1/84) THEN M ELSE O.1	O_Scr_Resiz AND O_No_Type_ND
C219	Void	Void
C220	IF A.1/18 THEN M ELSE O.1	O_TCP
C221	IF A.1/17 THEN M ELSE O.1	O_UDP
C222	IF A.1/21 THEN M ELSE O.1	O_BIP_GPRS
C223	IF (A.1/12 OR A.1/21 OR A.1/148 OR (A1.26 AND (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30))) THEN M ELSE O	O_BIP_CSD OR O_BIP_GPRS OR O_UICC_ACCESS_IMS OR (O_BIP_Local AND (BIP_BT OR BIP_IrDA OR BIP_RS232 OR BIP_USB))
C224	IF (A1.26 AND (A.1/27 OR A.1/28 OR A.1/29 OR A.1/30)) THEN M ELSE O	O_BIP_Local AND (BIP_BT OR BIP_IrDA OR BIP_RS232 OR BIP_USB))

C225	IE (A 4/OC AND A4 OZ) THEN MELCE O 4	O DID Least AND O DID DT
C225 C226	IF (A.1/26 AND A1.27) THEN M ELSE O.1 IF (A.1/26 AND A1.28) THEN M ELSE O.1	O_BIP_Local AND O_BIP_BT O_BIP_Local AND O_BIP_IrDA
C227	IF (A.1/26 AND A1.26) THEN M ELSE O.1 IF (A.1/26 AND A1.29) THEN M ELSE O.1	O_BIP_Local AND
C228	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) AND A.1/84) THEN M ELSE O.1	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 O_TAT_STFB) AND O_NO_Type_ND
C229	IF (A.1/24 AND A.1/84) THEN M ELSE O.1	O_Duration AND O_No_Type_ND
C230	Void	Void
C231	IF (C229 OR (A.1/23 AND A.1/85)) AND A1.5 THEN M ELSE O.1	O_Help AND ((O_Duration AND O_No_Type_ND) OR (O_Imm_Resp AND O_No_Type_NK))
C232	IF (A.1/26 AND A.1/30) THEN M ELSE O.1	O_BIP_Local_AND O_USB
C233	IF A.1/31 THEN M ELSE O.1	O_WML
C234	IF A.1/32 THEN M ELSE O.1	O_XHTML
C235	IF A.1/33 THEN M ELSE O.1	O_HTML
C236	IF A.1/34 THEN M ELSE O.1	O_CHTML
C237	IF (A.1/37 AND A.1/84) THEN M ELSE O.1	O_Frames AND O_No_Type_ND
C238	IF A.1/38 THEN M ELSE O	O_MMS
C239	IF A.1/35 THEN M ELSE O.1	O Batt
C240	IF (A.1/36 AND A.1/84 AND A.1/85 AND A.1/87) THEN M ELSE O.1	O_Xmedia Call AND O_No_Type_ND AND O_No_Type_NK AND O_No_Type_NS
C241	IF (A.1/82 AND A.1/86) THEN M ELSE O.1	O_M_T_Tones AND O_No_Type_NA
C242	IF (A.1/16 AND A.1/84) THEN M ELSE O.1	O_CC_GPRS AND O_No_Type_ND
C243	IF (A.1/50 AND A.1/84) THEN M ELSE O.1	O_TAT_AL AND O_No_Type_ND
C244	IF (A.1/51 AND A.1/84) THEN M ELSE O.1	O_TAT_AC AND O_No_Type_ND
C245	IF (A.1/52 AND A.1/84) THEN M ELSE O.1	O_TAT_AR AND O_No_Type_ND
C246	IF (A.1/53 AND A.1/84) THEN M ELSE O.1	O_TAT_FSN AND O_No_Type_ND
C247	IF (A.1/54 AND A.1/84) THEN M ELSE O.1	O_TAT_FSL AND O_No_Type_ND
C248	IF (A.1/55 AND A.1/84) THEN M ELSE O.1	O_TAT_FSS AND O_No_Type_ND
C249	IF (A.1/56 AND A.1/84) THEN M ELSE O.1	O_TAT_SN AND O_No_Type_ND
C250	IF (A.1/57 AND A.1/84) THEN M ELSE O.1	O_TAT_SB AND O_No_Type_ND
C251	IF (A.1/58 AND A.1/84) THEN M ELSE O.1	O_TAT_SI AND O_No_Type_ND
C252	IF (A.1/59 AND A.1/84) THEN M ELSE O.1	O_TAT_SU AND O_No_Type_ND
C253	IF (A.1/60 AND A.1/84) THEN M ELSE O.1	O_TAT_SS AND O_No_Type_ND
C254	IF (A.1/61 AND A.1/84) THEN M ELSE O.1	O_TAT_STFC AND O_No_Type_ND
C255	IF (A.1/62 AND A.1/84) THEN M ELSE O.1	OR O_TAT_STFB AND O_No_Type_ND
C256	IF C237 THEN M for at least one of the bits 1 - 4 of byte 24	O_Frames AND O_No_Type_ND

C257	IF (A.1/12 OR A.1/21 OR A.1/148 OR (A1.26 AND	O_BIP_CSD OR O_BIP_GPRS
	(A.1/27 OR A.1/28 OR A.1/29 OR A.1/30))) THEN M	OR OR O UICC ACCESS IMS
	for at least one of the bits 6 - 8 of byte 13	OR (O BIP Local AND (BIP BT
	,	OR BIP_IrDA OR BIP_RS232 OR
		BIP_USB))
C258	IF A.1/66 THEN M ELSE O.1	O_HSDPA
C259	IF A.1/67 THEN M ELSE O.1	O_UTRAN_PS_Ext_Param
C260	IF A.1/70 THEN M ELSE O	O_I-WLAN
C261	IF A.1/71 THEN M ELSE O.1	O_Terminal_Applications
C262	IF A.1/72 THEN M ELSE O.1	O_TCP_UICC_ServerMode
C263	IF A.1/73 THEN M ELSE O.1	O_TCP_Terminal_ServerMode
C264	IF A.1/74 THEN M ELSE O.1	O_UDP_Terminal_ServerMode
C265	IF A.1/81 THEN M ELSE O.1	O_Geo_Location_Discovery
C266	IF A.1/83 THEN M ELSE O.1	O_Toolkit_GBA
C267	IF A.1/84 THEN M ELSE O.1	O_No_Type_ND
C268	IF A.1/85 THEN M ELSE O.1	O_No_Type_NK
C269	IF A.1/86 THEN M ELSE O.1	O_No_Type_NA
C270	IF A.1/87 THEN M ELSE O.1	O_No_Type_NS
C271	IF A.1/88 THEN M ELSE O.1	O_No_Type_NL
C272	IF A.1/89 THEN M ELSE O.1	O_USSD_Data_DL
C273	IF A.1/84 THEN O ELSE O.1	O_No_Type_ND
C274	IF A.1/84 THEN bit values "0" / "1" allowed ELSE O.1	O_No_Type_ND
C275	IF A.1/132 OR A.1/133 THEN M ELSE O.1	pc_BIP_eFDD OR pc_BIP_eTDD
C276	IF A.1/84 THEN O.1 ELSE M	O_No_Type_ND
C277	IF A.1/85 THEN O.1 ELSE M	O_No_Type_NK
C278	IF A.1/134 THEN M ELSE O.1	O_UTRAN
C279	IF NOT A.1/135 THEN M ELSE O	O_EUTRAN_NO_UTRAN_
		NO_GERAN
C280	IF A.1/64 THEN M ELSE O	O_GERAN
C281	IF A.1/136 THEN M ELSE O.1	O_Event_CSG_Cell_Selection
C282	IF A.1/137 THEN M ELSE O.1	O_CSG_Cell_Discovery
C283	IF (A.1/139 OR A.1/140) THEN M ELSE O.1	pc_eFDD OR pc_eTDD
C284	IF A.1/143 THEN M ELSE O.1	O_Direct_Com_Channel
C285	IF (A.1/73 AND A.1/84 AND A.1/85) THEN M ELSE	O_TCP_Terminal_ServerMode
	0.1	AND O_No_Type_ND AND
		O_No_Type_NK
C286	IF A.1/144 THEN M ELSE O.1	O_CC_IMS
C287	IF A.1/145 THEN M ELSE O.1	O_CAT_Modem_Interface
C288	IF A.1/146 THEN M ELSE O.1	O_Event_Incoming_IMS_Data
C289	IF A.1/147 THEN M ELSE O.1	O_Event_IMS_Registration
C290	IF A.1/148 THEN M ELSE O.1	O_UICC_ACCESS_IMS
0.1	Allowed: Bit value ="0" or bit not present	

Annex C (informative): Change history

17-050016	CP-doc	CR	REV Meet	ng SUBJECT	CAT	NEW VERS
CP-950144 0001 CT-28		-			OA!	
CP-950144 0002		0001		111 ,	F	
CP-950144 0003					•	
CP-950144 0004					•	
CP-050144 0005 CT-28 Reli-6 Correction of logate dependent Er values F 6.2 0						
CP-050447 0006 CT-29				Removal of GET RESPONSE references	•	
CP-050447 (0009) CT-29 Correction of EP_BDN coding F 6.2.0 CP-050447 (0008) CT-29 Correction of EP_BDN coding F 6.2.0 CP-050447 (0009) CT-29 Correction of EP_BDN coding F 6.2.0 CP-050447 (0011) CT-29 Incorrect TFlag value for SET UP 14.1 in clause 27.22.4.16.1 F 6.2.0 CP-050447 (0011) CT-29 Correction of TP-MR (TP Message Reference) of the SMS SUBMIT FDU SUbmitted to the USS (Network). F 6.2.0 CP-050447 (0012) CT-29 Correction in the Logical description and BER encoding in clause FD Corrections in the Logical description and BER encoding in clause FD CORD (CP-050447 (0014)) CT-29 Incorrect DCS in SMS-CB data download tests F 6.2.0 CP-050447 (0014) CT-29 Incorrect DCS in SMS-CB data download tests F 6.2.0 CP-050447 (0016) CT-29 Essential Corrections in clause 27.22 at MOS HONET MESSAGE F 6.2.0 CP-050447 (0016) CT-29 Essential Corrections in clause 27.22 at MOS HONET MESSAGE F 6.2.0 CP-050447 (0017) CT-28 Essential Corrections in Calsuse 27.22 at MOS HONET MESSAGE F 6.2.0 CP-050447 (0017) CT-28 Essential Corrections in Calsuse 27.22 at Act 22.1 F 6.2.0			<u> </u>		_	
CP-050447 0008						
CP-050447 0009 CT-29 Incorrect Dialling Number string in clause 27.22.4.13.1 SEQ 1.9 for PCS F 6.2.0					•	
1900 CP-050447 0011 CT-29 Essential corrections in display icons Setup Menu and Select Item f 6,2.0 CP-050447 0012 CT-29 Correction of TP-MR (TP Message Reference) of the SMS SUBMIT F 6,2.0 CP-050447 0013 CT-29 Corrections in the Logical description and BER encoding in clause F 6,2.0 CP-050447 0014 CT-29 Corrections in the Logical description and BER encoding in clause F 6,2.0 CP-050447 0015 CT-29 Corrections in the Logical description and BER encoding in clause F 6,2.0 CP-050447 0015 CT-29 Incorrect DCS in SMS-CB data download tests F 6,2.0 CONTROL BY USIM CP-050447 0016 CT-29 Introduction of BDN tests for terminals not supporting BDN B 6,2.0 CONTROL BY USIM CP-050447 0016 CT-29 Introduction of BDN tests for terminals not supporting BDN B 6,2.0 CP-050447 0018 CT-29 Essential Corrections F 6,2.0 CP-050447 0018 CT-29 Missing interactions in Barear independent Protocol test cases F 6,2.0 CP-050447 0019 CT-29 Missing interactions in Barear independent Protocol test cases F 6,2.0 CP-050447 0020 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6,2.0 CP-050447 0020 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6,2.0 CP-050447 0020 CT-29 Correction of CB message identifier F 6,2.0 CP-050447 0021 CT-29 Correction of CB message identifier F 6,2.0 CP-050447 0025 CT-29 Resential corrections of the William Corrections of Laws 27.22.4.11 F 6,3.0 CP-050496 0026 CT-29 Correction of Send SS (UCS2) tests F 6,3.0 CP-050496 0027 CT-29 Resential Corrections of Select Item (cons support) F 6,3.0 CP-050495 0031 CT-30 Correction of Saphrenia Support) F 6,3.0 CP-050495 0031 CT-30 Correction of Saphrenia Support) F 6,3.0 CP-050495 0031 CT-30 CT-30 Correction of SPP P D At 1 (Drama) F 6,3.0 CP-050495 0034 CT-30 CT-30 CT-30				Incorrect Dialling Number string in clause 27 22 4 13 1 SEO 1 9 for PCS	•	
CP-950447 0010 C7-29	01 030447	0003	01 23		'	0.2.0
CP-050447 0011 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	0010	- CT-29		f	6.2.0
CP-050447 0013 - CT-29				Incorrect Ti Flag value for SET UP 1.4.1 in clause 27.22.4.16.1	F	6.2.0
TPDU submitted to the USS (Network)		0012	- CT-29		F	
CP-050447 0014 CT-29 Incorrect DCS in SMS-CB data download tests F 6.2.0						
CP-050447 0014 CT-29 Incorrect DCS in SMS-CB data download tests F 6.2.0	CP-050447	0013	- CT-29	Corrections in the Logical description and BER encoding in clause	F	6.2.0
CP-050447 0015 C7-29 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE F 6.2.0 CP-050447 0016 C7-29 Introduction of BDN tests for terminals not supporting BDN B 6.2.0 CP-050447 0018 C7-29 Introduction of BDN tests for terminals not supporting BDN F 6.2.0 CP-050447 0018 C7-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1 F 6.2.0 CP-050447 0020 C7-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1 F 6.2.0 CP-050447 0020 C7-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0021 C7-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 C7-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 C7-29 Correction of CB message identifier F 6.2.0 CP-050440 0027 C7-29 Rels. Addition of new UCS2 Tests B 6.2.0				27.22.6.2 and 27.22.4.11		
CONTROL BY USIM		0014				6.2.0
CP-050447 0017 CT-29 Introduction of BDN tests for terminals not supporting BDN B 6.2.0 CP-050447 0018 CT-29 Issential Corrections F 6.2.0 CP-050447 0019 CT-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1 F 6.2.0 CP-050447 0020 CT-29 Missing interactions in Bearer Independent Protocol test cases F 6.2.0 CP-050447 0022 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0023 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 CT-29 Correction of CB message identifier F 6.2.0 CP-050447 0027 CT-29 CT-29 Relie-8 Addition of new UGS2 Tests B 6.2.0 CP-050449 0027 CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 CP-050495 0028 CT-30 Csestrial Corrections in duse 27.22.4.11 F 6.3.0 CP-050495 0029 CT-30 Essential Corrections in Cause 27.22.4.11 F 6.3.0	CP-050447	0015	- CT-29	Essential Corrections in clause 27.22.8 MO SHORT MESSAGE	F	6.2.0
CP-050447 0018 CT-29 Essential Corrections F 6.2.0 CP-050447 0018 CT-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.22.1 F 6.2.0 CP-050447 0020 CT-29 Missing interactions in Bearer Independent Protocol test cases F 6.2.0 CP-050447 0022 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0022 CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 CT-29 Essential correction to Terminal Profile table E.1 F 6.2.0 CP-050447 0025 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050447 0027 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050495 0028 CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0029 CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0030 CT-30 Essential Corrections in clause 27.22.4.11 F 6.3.0 CP-050495 0031 CT-30 Essential						
CP-050447 0018 - CT-29 Incorrect SMS-PP 1.4.1 TPDU in clause 27.22.4.2.1 F 6.2.0 CP-050447 0020 - CT-29 Missing interactions in Bearer Independent Protocol test cases F 6.2.0 CP-050447 0020 - CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0022 - CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0024 - CT-29 CP-05047 025 CT-29 Cerction of CB message identifier F 6.2.0 CP-050447 0025 - CT-29 Cerction of CB message identifier F 6.2.0 CP-050447 0027 - CT-29 Cerction of Send SS (UCS2) Tests B 6.2.0 CP-050495 0028 - CT-30 Correction of Send SS (UCS2) Tests F 6.3.0 CP-050495 0029 - CT-30 Correction of Send SS (UCS2) Tests F 6.3.0 CP-050496						
CP-050447 0029 CT-29						
CP-050447 0022 CT-29 Correction of Refresh tests F 6.2.0 CP-050447 0023 - CT-29 Applicability of TC 27.22.4.7.1 and TCs related to FDN and BDN F 6.2.0 CP-050447 0023 - CT-29 Essential correction to Terminal Profile table E.1 F 6.2.0 CP-050447 0024 - CT-29 Correction of CB message identifier F 6.2.0 CP-050447 0027 - CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 CP-050497 0027 - CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 CP-050495 0028 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0029 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 00303 - CT-30 Corrections to Select Item (icons support) F 6.3.0 CP-050495 0032 - CT-30 Correction in S						
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CP-050447 0025 CT-29 Rel-6: Addition of new UCS2 Tests B 6.2.0 CP-050447 0027 - CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause F 6.2.0 - - - 2005-10: Editorial corrections due to the CRs approved at CP-29 - 6.2.1 - - - 2005-10: Editorial corrections due to the CRs approved at CP-29 - 6.2.1 CP-050495 0028 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0039 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0031 - CT-30 Corrections to Select Item (icons support) 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 in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1 F 6.3.0 CP-050495 0035 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM						
CP-050447 0027 - CT-29 Incorrect Coding of SMS-PP (Data download) Message in clause 27.22.4.7.1 and 27.22.5.1 F 6.2.0 - - - 2005-10: Editorial corrections due to the CRs approved at CP-29 - 6.2.1 CP-050495 0028 - CT-30 Correction of Send SS (UCS2) tests F 6.3.0 CP-050495 0039 - CT-30 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 0031 - CT-30 Essential Corrections of Set Up Menu test F 6.3.0 CP-050495 0032 - CT-30 Correction of applicability table and related addition of missing test sequences F 6.3.0 CP-050495 0033 - CT-30 Correction of SMS-PP download message in Refresh test F 6.3.0 CP-050495 0036 - CT-30 Essential Correction in MO SHORT MESSAGE CONTROL BY USIM Deletion of SEQ 1.3 in clause 27.22.4.13.1 F 6.3.0					•	6.2.0
27.22.4.7.1 and 27.22.5.1						
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CP-050495 0035 CT-30 Essential Corrections of SMS-PP download message in Refresh test case F 6.3.0 CP-050495 0036 - 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 0042 - CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential Correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060013 0050 - CT-31 Essential correction on Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.8 MO SHORT MESSAGE F 6.4.0						
Case				Correction in SMS-PP 1.4.1 TPDU of clause 27.22.4.22.1		
CP-050495 0036 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 SEQ 1.3 in clause 27.22.4.13.1 F 6.4.0 CP-060013 0042 - CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0042 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060013 0050 - CT-31 Essential corrections in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0049 - CT-31 Essential corrections in SEQ 1.4 of clause 27.22.4.11.1 SEND SS F 6.4.0 CP-060014 0047 - C	CP-050495	0035	- CT-30	•	F	6.3.0
Deletion of sequence 1.9	CD 050405	0036	CT 20		_	620
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 0042 - CT-31 Essential correction of Provide Local Information (IMEI) test F 6.4.0 CP-060013 0044 - CT-31 Essential Correction in SEQ 1.8 of clause 27.22.8 F 6.4.0 CP-060013 0045 - CT-31 Essential correction on 27.22.7.3.1 Call Disconnected Event F 6.4.0 CP-060013 0050 - CT-31 Essential correction of Channel Data length in clause 27.22.4.30 F 6.4.0 CP-060014 0048 - CT-31 Essential Corrections in clause 27.22.4.11 F 6.4.0 CP-060014 0052 - CT-31 Essential Corrections in SEQ 1.4 of clause 27.22.4.11.1 SEND SS F 6.4.0 CP-060014 0047 - CT-31 Essential corrections for Run AT Command tests F 6.4.0 CP-060015 0055 -<	CP-050495	0036	- 01-30		Г	6.3.0
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CP-060014 0053 - 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 0054 - CT-31 BER-TLV suppressions F 6.4.0 CP-060157 0059 - CT-31 Add SMS PP Data Download RP-ERROR Test Case B 6.4.0 CP-060022 0043 - CT-31 Essential Correction in SEQ 1.7 of clause 27.22.4.13.1 F 6.4.0 CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0						
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CP-060022 0046 - CT-31 Essential correction of Refresh test F 6.4.0						
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CP-060022 0051 - CT-31 Essential correction of Channel Data length in Result TLV of clause F 6.4.0						
	CP-060022	0051	- CT-31	Essential correction of Channel Data length in Result TLV of clause	F	6.4.0

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CP-060022	0060	 -	CT-31	27.22.4.30 CR 31.124 Rel-6: Insertion of missing REFRESH (IMSI changing	F	6.4.0
CP-060022	0057		CT-31	procedure) test cases 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	<u> </u>	CT-32	Essential corrections on TC 27.22.6.4 sequence 4.1		6.5.0
	0064	-	CT-32	Essential corrections on SEND SHORT MESSAGE test cases		6.5.0
	0065	-	CT-32	Essential correction of text attributes tests		6.5.0
CP-060241	0066	-	CT-32	Definition of appropriate QoS in BIP test cases related to GPRS for 3G		6.5.0
	0071	-	CT-32	Essential correction of Refresh test in 27.22.7.4.2, seq. 2.4		6.5.0
	0074	-	CT-32	Essential corrections of RUN AT Command tests		6.5.0
CP-060241 CP-060242	0067 0068	- -	CT-32 CT-32	Essential correction of tables B.1 and E.1 Essential Correction in REGISTER 1.2B message coding of clause	F	6.5.0 6.5.0
OD 000040	0000		OT 00	27.22.4.11.1 SEND SS (normal)	_	0.5.0
CP-060242 CP-060242		-	CT-32 CT-32	Essential correction of 27.22.4.13.1 SET UP CALL, seq 1.4 Essential correction of second card reader test applicability	F F	6.5.0 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		ļ-	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	0087	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		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		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		1	CT-33	Correction of RECEIVE DATA tests	F	6.6.0
CP-060389 CP-060389		1	CT-33 CT-33	Correction of terminology for USIM Service Table	F F	6.6.0
CP-060389		1	CT-33	Correction of 2 nd alpha identifier usages in SET UP CALL tests Correction of various typographical errors	F	6.6.0 6.6.0
CP-060389		1	CT-33	Essential corrections to OPEN CHANNEL text attribute test sequences	F	6.6.0
CP-060389		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	0080	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		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		1	CT-33	Essential corrections to SEND SS concerning longForwardedToNumber	F	6.6.0
CP-060475 CP-060517		2	CT-33	Corrections to MO SHORT MESSAGE CONTROL BY USIM tests	F F	6.6.0 6.6.0
CP-060517 CP-060540		1	CT-33 CT-34	Essential corrections Set Up Call, seq. 1.9 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 corrections of Bir entires in table 2.1	F.	6.7.0
CP-060540		ļ-	CT-34	Essential correction of expected sequence in OPEN CHANNEL test case	F	6.7.0
CP-060727		-	CT-34	Some of the Applicability table content is missing when printed or in Print Layout mode	F	6.7.0
CP-060727	0106	1	CT-34	Correction to SET UP CALL	F	6.7.0
CP-060727	0107	-	CT-34	Correction to SEND SS	F	6.7.0
CP-060727		1	CT-34	Addition of REFRESH USIM Application Reset	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
	0104	1	CT-34	Corrections in the interpretation of Katakana Character	F F	6.7.0
CP-070063 CP-070063		1	CT-35 CT-35	Essential correction of 27.22.5.2 Essential correction of Terminal Profile Support table	F	6.8.0 6.8.0
CP-070063		1	CT-35	Essential correction of Terminal Profile Support table Essential correction of 27.22.4.13.1 Expected Sequence 1.7	F F	6.8.0
CP-070065		-	CT-35	Essential correction of 27.22.4.13.1 Expected Sequence 1.7 Essential correction of 27.22.4.7, seq. 1.7	F	6.8.0
CP-070065		<u> -</u>	CT-35	Essential correction of TC 27.22.7.4.1	F	6.8.0
CP-070065		i -	CT-35	CR implementation error correction for 27.22.6.2 SEQ 2.2	F	6.8.0
CP-070065	0121		CT-35	CR implementation error correction for 27.22.4.11.1 SEQ 1.4A	F	6.8.0
CP-070065		1	CT-35	Essential clarification of Network Simulator selection	F	6.8.0
CP-070065	0122	1	CT-35	Essential correction of 27.22.4.7.2 SEQ 2.2	F	6.8.0

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CP-070065		2	CT-35	Addition of new expected sequence to the SMS-PP Data Download test	С	6.8.0
00.000			07.07	case	_	
CP-070065	0125	2	CT-35	Addition of a new expected sequence to the SMS-CB Data Download	F	6.8.0
CP-070297	0127	2	CT-36	test case Essential correction of test case applicability	F	6.9.0
CP-070297 CP-070297		_	CT-36	Correction of 27.22.4.2 applicability	F	6.9.0
CP-070297		1	CT-36	Essential correction of test case applicability for 27.22.6.1	A	6.9.0
CP-070297		1	CT-36	Essential correction on 27.22.8	Α	6.9.0
CP-070297		-	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
CP-070610		1	CT-37	Essential Correction to 27.22.6.2	F	7.1.0
CP-070619		-	CT-37	Essential correction of variable timeout test case applicability	F	7.1.0
CP-070610		-	CT-37	Essential correction to 27.22.4.13.1, seq. 1.9	F	7.1.0
CP-070619		-	CT-37	Essential Correction to 27.22.6.1, Seq. 1.1	F	7.1.0
CP-070619 CP-070619		-	CT-37 CT-37	Essential correction of references	F	7.1.0 7.1.0
CP-070619 CP-070619		1	CT-37	Essential correction of 27.22.4.13.1, sequence 1.7 Test Cases dependant on Radio Access Clarification	F	7.1.0
CP-070619		-	CT-37	Essential correction of 27.22.4.7.1, sequence 1.6	F	7.1.0
CP-070843		1	CT-38	Essential correction of 27.22.8, sequence 1.3 in order to remove	A	7.2.0
01 0700-10	0140		01 00	verification of the Alpha Identifier	` `	7.2.0
CP-070843	0154	1	CT-38	Essential correction of 27.22.4.7.1, sequence 1.6 caring of the missing	Α	7.2.0
				requirements in TS 31.111		
CP-070843	0146	1	CT-38	Essential correction of 27.22.4.26.2.4.2, seq. 2.2 in order to remove the	Α	7.2.0
05.050010			07.00	possibility of retrieving a deleted previously visited URL		
CP-070843		-	CT-38	Correction to add optional support of Call Hold Supplementary Service	A	7.2.0
CP-070847 CP-070847		-	CT-38 CT-38	Essential correction terminal profile indication for Local Connection Event Essential correction on test case 27.22.4.5.1	F	7.2.0 7.2.0
CP-070847		-	CT-38	Definition of test sequence 1.7 in test case 27.22.4.15	F	7.2.0
CP-070847		-	CT-38	Definition of test sequence 1.12 and 1.13 in test case 27.22.4.15	F	7.2.0
CP-070847		-	CT-38	Essential correction on test case 27.22.4.28.2.1 correcting wrong	F	7.2.0
				implementation of CR 0078 rev1 in C6-060547		
CP-070847	0148	1	CT-38	Introduction of Rel-7 test case applicability	F	7.2.0
CP-080172		-	CT-39	Essential correction to 27.22.4.15	F	7.3.0
CP-080172		-	CT-39	Essential correction of 27.22.8, seq. 1.3	F	7.3.0
CP-080172		1	CT-39	Essential correction regarding terminal capabilities	F	7.3.0
CP-080172		-	CT-39	Essential correction to network dependency of several tests	F	7.3.0
CP-080388		1	CT-40	Essential correction of icon test case applicability	F	7.4.0
CP-080388 CP-080388		3	CT-40 CT-40	Essential correction to 27.22.6.4	F	7.4.0 7.4.0
CP-080588		3	CT-41	Essential correction of test case applicability of 27.22.6.2 and 27.22.4.11 Essential correction of TC 27.22.4.12.1 Seq. 1.6	F	7.5.0
CP-080588			CT-41	Essential correction of test case applicability	F	7.5.0
CP-080588		_	CT-41	Essential correction of TC 27.22.7.8.1	F	7.5.0
CP-080906		-	CT-42	Essential correction of TC 27.22.6.5 seq. 5.1 applicability	F	7.6.0
CP-080906		-	CT-42	Essential correction of bearer parameters in browser tests	F	7.6.0
CP-080948	0170	3	CT-42	Pre-conditions for Launch browser	Α	7.6.0
CP-080948	0171	-	CT-42	Essential correction of 27.22.4.26.2 Seq. 2.2	Α	7.6.0
	-	-	SP-42	Upgrade to Rel-8	-	8.0.0
CP-080194	0173	1	CT-43	Inclusion of Rel-8 test case applicability and Rel-8 feature indication in	F	8.1.0
				the terminal profile content		<u> </u>
CP-080194		-	CT-43	Essential correction of tables B.1 and E.1	F	8.1.0
CP-080194	01/6	1	CT-43	Essential correction to BIP tests - usage of ME's default channel identifier	Α	8.1.0
CP-090459	0175	2	CT-44	Introduction of steering of roaming test cases	В	8.2.0
CP-090459 CP-090460		3	CT-44	Test case and test case applicability changes for terminals with reduced	F	8.2.0
CF-090400	0177	'	C1-44	USAT capabilities		0.2.0
CP-090718	0178	3	CT-45	Essential correction to icon test applicability	F	8.3.0
CP-090718		1	CT-45	Update of table E.1 regarding E-UTRAN support indication	F.	8.3.0
CP-090718		1	CT-45	Essential correction of 27.22.6.1 sequence 1.9	F	8.3.0
CP-090718	0181	[CT-45	Essential correction of 27.22.4.7.3, Seq. 3.2	F	8.3.0
CP-090718		-	CT-45	Essential correction of applicability and terminal profile table	F	8.3.0
	-	-	-	Correction of inconsistency spotted at implementation	-	8.3.1
CP-090999		1	CT-46	Essential correction of 27.22.4.7.3	F	8.4.0
CP-091000		1	CT-46	Update of TS 31.124 for terminals supporting E-UTRAN	F	8.4.0
CP-091000	0188	2	CT-46	Introduction of OPEN CHANNEL tests for E-UTRAN	F	8.4.0
	-	-	SA-46	Upgrade to Rel-9	-	9.0.0
CP-100192		1	CT-47	Introduction of BIP tests for E-UTRAN	В	9.1.0
CP-100192		1	CT-47	Introduction of Network Rejection Event test	В	9.1.0
CP-100192		1	CT-47	Introduction of Provide Local Information tests for E-UTRAN	В	9.1.0
CP-100192	0192	1	CT-47	Introduction of Event Download – Location Status tests for E-UTRAN	В	9.1.0

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CP-100191		-	CT-47	Introduction of Rel-9 test case applicability	F	9.1.0
CP-100179		1	CT-47	Correction of typo error	Α	9.1.0
CP-100191		2	CT-47	Dual Open Channel tests in TCP mode	В	9.1.0
	0197	1	CT-47	Open Channel tests for TCP mode and Default Bearer	В	9.1.0
CP-100191		1	CT-47	Correction of optional features table	F	9.1.0
CP-100179		3	CT-47	Correction of applicability for 'no alpha identifier presented' sequences	A	9.1.0
CP-100179		-	CT-47	Essential correction to the condition table	A	9.1.0
CP-100395		-	CT-48	Essential correction of 27.22.4.31.1 Seq. 1.5	F	9.2.0
CP-100395	0205	-	CT-48	Essential correction of Table E.1 regarding Width reduction when in a	F	9.2.0
				menu		
CP-100395		-	CT-48	Correction to TAC coding in Provide Local Information test	F	9.2.0
CP-100395		1	CT-48	Essential correction of table E.1	В	9.2.0
CP-100395		1	CT-48	Essential correction of 27.22.4.27.2 Seq 2.10 test case applicability	F	9.2.0
CP-100395		1	CT-48	Correction to applicability table	F	9.2.0
CP-100395		1	CT-48	Network Search mode test	В	9.2.0
CP-100395		1	CT-48	Event download, Network Search mode test	В	9.2.0
CP-100395		-	CT-48	Essential correction of 27.22.4.31.1 Seq. 1.5	F	9.2.0
CP-100396		1	CT-48	Introduction of Steering of Roaming test for E-UTRAN	В	9.2.0
CP-100591		3	CT-49	Essential correction to Open Channel 27.22.4.27.2 sequence 2.4 test	A	9.3.0
CP-100592		1	CT-49	Update of references	F	9.3.0
CP-100593		1	CT-49	Essential correction to test case applicability of letter class C features	F	9.3.0
CP-100593		1	CT-49	Correction of 27.22.4.28.3. Seq 3.2	F	9.3.0
CP-100593		1	CT-49	Essential correction to SET UP CALL 27.22.4.13 sequence 1.1	F	9.3.0
CP-100613		3	CT-49	Addition of Access Technology change event download tests for E- UTRAN	В	9.3.0
CP-100613		3	CT-49	Addition of Open Channel test related to E-UTRAN network	C	9.3.0
CP-100613	0222	1	CT-49	Addition of Call Control tests for E-UTRAN	В	9.3.0
CP-100620	0221	2	CT-49	Essential correction of test 27.22.4.9.3	F	9.3.0
CP-100835	0242	1	CT-50	Addition of Provide local information test , discovery of surrounding CSG cell	В	9.4.0
CP-100833	0234	1	CT-50	Clarification of 'ELSE' parts in Table E.1	F	9.4.0
CP-100834		1	CT-50	Correction of TCP/UDP referencing errors in Table E.1	F	9.4.0
CP-100834		1	CT-50	LTE test cases - specifying that default E-UTRAN UICC should be used	F	9.4.0
CP-100834	0238	1	CT-50	Correction of SET UP CALL sequence 1.1	F	9.4.0
CP-100830		1	CT-50	Definition of E-UTRAN/EPC ISIM-UICC for ISIM related testing	В	9.4.0
CP-100834	0239	1	CT-50	Correction of references to non-existent data items in CLOSE CHANNEL(E-UTRAN/EPC)	F	9.4.0
				Correction of errors in implementation of CR 234 (MCC).	-	9.4.1
CP-110231	0217	4	CT-51	Addition of Provide Local Information tests for multiple access	В	9.5.0
CP-110230	0243	4	CT-51	technologies Introduction ISIM related SMS-PP Data Download tests	В	9.5.0
CP-110230		6	CT-51	Introduction ISIM related SMS-FF Data Download tests Introduction ISIM related Send Short Message tests	В	9.5.0
	0244	2	CT-51	Optimization of SEND SMS test cases	С	9.5.0
	0246	1	CT-51	Optimization of SMS PP Download test case	C	9.5.0
CP-110231			CT-51	Introduction of Polling Off test for E-UTRAN	В	9.5.0
CP-110231		 	CT-51	Essential correction on BIP TCs for E-UTRAN/EPC	F	9.5.0
	3_30		SP-51	Automatic upgrade from previous version 9.5.0	-	10.0.0
CP-110503	0241	3	CT-52	Addition of Event download test, CSG cell Selection	F	10.1.0
CP-110503 CP-110504		5	CT-52	Introduction ISIM related SMS-PP Data Download tests	F	10.1.0
CP-110504		1	CT-52	Introduction ISIM related Send Short Message tests	F	10.1.0
CP-110719		3	CT-52	Essential correction of the Terminal Profile entries in table E.1	F	10.1.0
CP-110719		1	CT-53	Essential correction of the Terminal Frome entries in table E. I	F	10.2.0
CP-110592		1	CT-53	Essential correction of Data Destination Address settings in BIP and	A	10.2.0
				Launch Browser tests		
		1	CT-53	Essential Correction to Tag length in Provide Local Information test	F	10.2.0
<u>CP-110719</u>	0262	1	CT-53	Essential Correction to Network Rejection Event test	F	10.2.0
				Correction of implementation error in CR 255r3 (MCC)		10.2.1
CP-110904		<u> </u>	CT-54	Essential correction of SMS-PP Data Download test cases	F	10.3.0
CP-110904		1	CT-54	Essential correction to Channel Status After Link Dropped in E-UTRA	F	10.3.0
CP-110904	10266	1	CT-54	Correction to test sequence content 4.3 and 4.4 for test case 27.22.4.1 of Table B.1	F	10.3.0
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		2	CT-54		F	10.3.0
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CP-110904	0256 0264		CT-54 CT-54 CT-54	Essential correction to Steering of Roaming test case	•	

History

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V10.0.0	May 2011	Publication				
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