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(Release 10)**

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## Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Smart Card Platform (SCP).

It is based on work originally done in the 3GPP in TSG-terminals WG3.

The contents of the present document are subject to continuing work within TC SCP and may change following formal TC SCP approval. If TC SCP modifies the contents of the present document, it will then be republished by ETSI with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
    - 0 early working draft;
    - 1 presented to TC SCP for information;
    - 2 presented to TC SCP for approval;
    - 3 or greater indicates TC SCP 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.
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## Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

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## Introduction

The present document defines the Card Application Toolkit (CAT) test conformance for the Terminal.

The aim of the present document is to ensure interoperability between an UICC and a Terminal independently of the respective manufacturer, card issuer or operator.

Application specific tests for applications residing on an UICC are specified in ETSI TS 131 124 [9].



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# 1 Scope

The present document describes the technical characteristics and methods of test for testing the Card Application Toolkit implemented in Terminals for the UICC, in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [3] and ETS 300 406 [4].

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

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

For a full description of the system, reference should be made to all the ETSI technical specifications or ETSI related ETSs or ENs. Clause 2 provides a complete list of the ETSI technical specifications, ETSI related 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 ETSI technical specification or ETSI related ETS or EN, then the other ETSI technical specification or ETSI related ETS or EN is to be considered the authoritative reference.

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## 2 References

### 2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

- In the case of a reference to a TC SCP document, a non specific reference implicitly refers to the latest version of that document in the same Release as the present document.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are necessary for the application of the present document.

- [1] ETSI TS 102 223: "Smart Cards; Card Application Toolkit (CAT)".
- [2] ISO/IEC 10646 (2003): "Information technology -- Universal Multiple-Octet Coded Character Set (UCS)".
- [3] ISO/IEC 9646-7 (1995): "Information technology -- Open Systems Interconnection -- Conformance testing methodology and framework -- Part 7: Implementation Conformance Statements".
- [4] ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [5] ETSI TS 124 008: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Mobile radio interface Layer 3 specification; Core network protocols; Stage 3 (3GPP TS 24.008)".

- [6] ETSI TS 127 007: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; AT command set for User Equipment (UE) (3GPP TS 27.007)".
- [7] ISO/IEC 7816-3 (1997): "Information technology -- Identification cards -- Integrated circuit(s) cards with contacts -- Part 3: Electronic signals and transmission protocols".
- [8] ANSI TIA/EIA-41-D: "Cellular Radiotelecommunications Intersystem Operations (ANSI/TIA/EIA-41-D-97)".
- [9] ETSI TS 131 124: "Universal Mobile Telecommunications System (UMTS); LTE; Mobile Equipment (ME) conformance test specification; Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124)".
- [10] Void.
- [11] ETSI TS 101 267: "Digital cellular telecommunications system (Phase 2+); Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface (3GPP TS 11.14)".
- [12] ETSI TS 100 607-4: "Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 11.10-4)".
- [13] ETSI TS 102 613: "Smart Cards; UICC - Contactless Front-end (CLF) Interface; Part 1: Physical and data link layer characteristics".
- [14] ETSI TS 102 622: "Smart Cards; UICC - Contactless Front-end (CLF) Interface; Host Controller Interface (HCI)".

## 2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

- In the case of a reference to a TC SCP document, a non specific reference implicitly refers to the latest version of that document in the same Release as the present document.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] ETSI ETR 028: "Radio Equipment and Systems (RES); Uncertainties in the measurement of mobile radio equipment characteristics".

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## 3 Definitions and abbreviations

### 3.1 Terminal definition and configurations

The terminal definition and configurations specified in the present document apply.

### 3.2 Applicability

#### 3.2.1 Applicability of the present document

The present document applies to a terminal equipment that supports the Card Application Toolkit optional feature according to ETSI TS 102 223 [1].

### 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 table B.1 in clause 3.4 of the present document applies, unless otherwise specified.

Terminals, which require a specific NAA to be present on the UICC, are to be tested according to the specific Card Application Toolkit enabled NAA dependent test specification (e.g. ETSI TS 131 124 [9] for USIM application, ETSI TS 100 607-4 [12] for SIM application). If there is no test specification defined for a specific Card Application Toolkit enabled NAA, terminals may be tested according to the present document. In this case, the simulated UICC is to include the specific NAA application, but the configuration and additional requirements of the specific Card Application Toolkit enabled NAA are out of scope in the present document.

### 3.2.4 Definitions

Void.

#### 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 is to be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [3], 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 Terminal" column lists the tests required for a Terminal to be declared compliant to this Release.
- The "Support" column is blank in the proforma, and is to be completed by the manufacturer in respect of each particular requirement to indicate the choices, which have been made in the implementation.

- The "Terminal Profile" column gives a reference to the corresponding bit that needs to be present in the Terminal Profile.

### 3.2.4.3 Status and notations

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

The following notations, defined in ISO/IEC 9646-7 [3], 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 a unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax "IF... THEN (IF... THEN... ELSE...) ELSE..." is to 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 are to 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 Card Application Toolkit is optional for Terminal. However, if a Terminal states conformance with a specific SCP release, it is mandatory for the Terminal to support all functions of that release, as stated in table A.1.

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

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

**Table A.1: Options**

| Item | Option                             | Status | Support | Mnemonic     |
|------|------------------------------------|--------|---------|--------------|
| 1    | Capability Configuration parameter | M      |         | O_Cap_Conf   |
| 2    | Sustained text                     | M      |         | O_sust_text  |
| 3    | UCS2 coding scheme for Entry       | O      |         | O_Ucs2_Entry |
| 4    | Extended Text String               | M      |         | O_Ext_Str    |
| 5    | Help information                   | O      |         | O_Help       |
| 6    | Icons                              | O      |         | O_Icons      |
| 7    | Class A: Dual Slot                 | O      |         | O_Dual_Slot  |
| 8    | Detachable reader                  | O      |         | O_Detach_Rdr |
| 9    | Class B: RUN AT                    | O      |         | O_Run_At     |
| 10   | Class C: LAUNCH BROWSER            | O      |         | O_LB         |
| 11   | Class D: Soft keys                 | O      |         | O_Soft_key   |
| 12   | Class E: B.I.P related to CSD      | O      |         | O_BIP_CSD    |
| 13   | Screen sizing parameters           | O      |         | O_Scr_Siz    |
| 14   | Screen Resizing                    | O      |         | O_Scr_Resiz  |
| 15   | UCS2 coding scheme for Display     | O      |         | O_Ucs2_Displ |
| 16   | Terminal supporting GPRS           | O      |         | O_GPRS       |

| Item | Option  | Status | Support | Mnemonic                   |
|------|---|--------|---------|----------------------------|
| 17   | Terminal supporting UDP   | O      |         | O_UDP                      |
| 18   | Terminal supporting TCP   | O      |         | O_TCP                      |
| 19   | Redial in Set Up Call   | O      |         | O_Redial                   |
| 20   | Terminal decision to respond with "No response from user" in finite time  | O      |         | O_D_NoResp                 |
| 21   | Class E: B.I.P related to GPRS  | O      |         | O_BIP_GPRS                 |
| 22   | Terminal supporting Called Party Subaddress   | O      |         | O_CP_Subaddr               |
| 23   | Immediate response  | O      |         | O_Imm_Resp                 |
| 24   | Variable Timeout  | O      |         | O_Duration                 |
| 25   | Void  |        |         |                            |
| 26   | Class F: B.I.P related to local bearer  | O      |         | O_BIP_Local                |
| 27   | BlueTooth Support   | O      |         | O_BT                       |
| 28   | IrDA Support  | O      |         | O_IrDA                     |
| 29   | RS232 Support   | O      |         | O_RS232                    |
| 30   | USB Support   | O      |         | O_USB                      |
| 31   | WML Browser Support   | O      |         | O_WML                      |
| 32   | XHTML Browser Support   | O      |         | O_XHTML                    |
| 33   | HTML Browser Support  | O      |         | O_HTML                     |
| 34   | CHTML Browser Support   | O      |         | O_CHTML                    |
| 35   | Class G: Battery Data   | O      |         | O_Batt                     |
| 36   | Class H: Multimedia Call support  | O      |         | O_Xmedia_Call              |
| 37   | Class I: Frame support  | O      |         | O_Frames                   |
| 38   | Class J: Multimedia Support   | O      |         | O_MMS                      |
| 39   | Void  |        |         |                            |
| 40   | Void  |        |         |                            |
| 41   | UCS2 in Cyrillic  | O      |         | O_UCS2_Cyrillic            |
| 42   | UCS2 in Chinese   | O      |         | O_UCS2_Chinese             |
| 43   | UCS2 in Katakana  | O      |         | O_UCS2_Katakana            |
| 44   | Text attributes - Alignment left  | O      |         | O_TAT_AL                   |
| 45   | Text attributes - Alignment center  | O      |         | O_TAT_AC                   |
| 46   | Text attributes - Alignment right   | O      |         | O_TAT_AR                   |
| 47   | Text attributes - Font size normal  | O      |         | O_TAT_FSN                  |
| 48   | Text attributes - Font size large   | O      |         | O_TAT_FSL                  |
| 49   | Text attributes - Font size small   | O      |         | O_TAT_FSS                  |
| 50   | Text attributes - Style normal  | O      |         | O_TAT_SN                   |
| 51   | Text attributes - Style bold  | O      |         | O_TAT_SB                   |
| 52   | Text attributes - Style italic  | O      |         | O_TAT_SI                   |
| 53   | Text attributes - Style underlined  | O      |         | O_TAT_SU                   |
| 54   | Text attributes - Style strikethrough   | O      |         | O_TAT_SS                   |
| 55   | Text attributes - Style text foreground colour  | O      |         | O_TAT_STFC                 |
| 56   | Text attributes - Style text background colour  | O      |         | O_TAT_STFB                 |
| 57   | Terminal supporting "+CGMI" in combination with Run AT Command  | O      |         | O_+CGMI                    |
| 58   | Class E: Terminal supports TCP, UICC in Server Mode   | O      |         | O_TCP_UICC_ServerMode      |
| 59   | Terminal supports selection of default item in Select Item  | O      |         | O_Select_Item_Default_Item |
| 60   | Preferred buffer size supported by the terminal for Open Channel command is greater than 0 byte and less than 65535 bytes | O      |         | O_BUFFER_SIZE              |
| 61   | Class E: Terminal supports TCP, Terminal in Server Mode   | O      |         | O_TCP_Terminal_ServerMode  |
| 62   | Class E: Terminal supports UDP, Terminal in Server Mode   | O      |         | O_UDP_Terminal_ServerMode  |
| 63   | Class K: Terminal Applications  | O      |         | O_Terminal_Applications    |
| 64   | Class L: Proactive command: ACTIVATE  | O      |         | O_Activate                 |
| 65   | Class M: Event download: HCI connectivity event   | O      |         | O_HCI_Connectivity_Event   |
| 66   | Class O: Broadcast Network Information  | O      |         | O_Broadcast_Network        |
| 67   | Terminal supports display capability  | C001   |         | O_No_Type_ND               |
| 68   | Terminal supports keypad  | C001   |         | O_No_Type_NK               |
| 69   | Terminal supports audio alerting  | C001   |         | O_No_Type_NA               |
| 70   | Terminal supports speech call   | C001   |         | O_No_Type_NS               |
| 71   | Terminal supports multiple languages  | C001   |         | O_No_Type_NL               |

| Item | Option  | Status | Support | Mnemonic                            |
|------|---|--------|---------|-------------------------------------|
| 72   | Class R: Contactless State Change/Request                                 | O      |         | O_CL_State_CR                       |
| 73   | Confirmation parameters supported for OPEN CHANNEL - Terminal Server Mode | O      |         | O_Terminal_ServerMode_Confirm_Param |
| C001 | If feature is implemented according to Rel-8 or later then O, else M.     |        |         |                                     |

## 3.4 Applicability table

Table B.1a: Applicability of tests (releases 4 to 8)

| Item | Description   | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal         | Terminal Profile                                       | Support |
|------|---|---------|------------------|----------------|----------------|----------------|----------------|------------------------|--|---------|
| 1    | <b>PROFILE DOWNLOAD</b> 27.22.1                         | Rel-4   | 1                | M              | M              | M              | M              | M                      | E.1/1  |         |
| 2    | <b>Contents of the TERMINAL PROFILE command</b> 27.22.2 | Rel-4   |                  | M              | M              | M              | M              | M                      | E.1/1  |         |
| 3    | <b>Servicing of Proactive UICC Commands</b> 27.22.3     | Rel-4   |                  | M              | M              | M              | M              | M                      |  |         |
| 4    | <b>DISPLAY TEXT</b> 27.22.4.1                           |         |                  |                |                |                |                |                        |  |         |
|      | Unpacked  | Rel-4   | 1.1              | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Screen busy   | Rel-4   | 1.2              | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/110                                     |         |
|      | high priority   | Rel-4   | 1.3              | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Packed  | Rel-4   | 1.4              | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Clear after delay                                       | Rel-4   | 1.5              | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Long text up to 160 bytes                               | Rel-4   | 1.6              | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Backwards move in Proactive UICC session                | Rel-4   | 1.7              | M              | M              | M              | M              | C170 AND C171          | E.1/17 AND E.1/110 AND E.1/111                         |         |
|      | Session terminated by user                              | Rel-4   | 1.8              | M              | M              | M              | M              | C170 AND C171          | E.1/17 AND E.1/110 AND E.1/111                         |         |
|      | Command not understood by Terminal                      | Rel-4   | 1.9              | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/110                                     |         |
|      | No response from user                                   | Rel-4   | 2.1              | C120           | C120           | C120           | C120           | C120 AND C170 AND C171 | E.1/17 AND E.1/110 AND E.1/111                         |         |
|      | Extension Text  | Rel-4   | 3.1              | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/16 AND E.1/110                          |         |
|      | Sustained text  | Rel-4   | 4.1, 4.2         | M              | M              | M              | M              | C170                   | E.1/17 AND E.1/65 AND E.1/110                          |         |
|      | Sustained text  | Rel-4   | 4.3              | M              | M              | M              | M              | C170 AND C171          | E.1/17 AND E.1/65 AND E.1/110 AND E.1/111              |         |
|      | Icons   | Rel-4   | 5.1, 5.2, 5.3    | C108           | C108           | C108           | C108           | C108 AND C170 AND C171 | E.1/17 AND E.1/110 AND E.1/111                         |         |
|      | UCS2 display in Cyrillic                                | Rel-4   | 6.1              | C118           | C118           | C118           | C118           | C118 AND C170 AND C171 | E.1/17 AND E.1/15 AND E.1/110 AND E.1/111              |         |
|      | Variable Timeout  | Rel-4   | 7.1              | C126           | C126           | C126           | C126           | C126 AND C170 AND C171 | E.1/17 AND E.1/137 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - left alignment                         | Rel-5   | 8.1              |                | C146           | C146           | C146           | C146 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/217 AND E.1/110 AND E.1/111 |         |

| Item | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal                  | Terminal Profile   | Support |
|------|--|---------|------------------|----------------|----------------|----------------|----------------|---------------------------------|--|---------|
|      | Text attribute - center alignment                  | Rel-5   | 8.2              |                | C147           | C147           | C147           | C147 AND C170 AND C171          | E.1/17 AND E.1/124 AND E.1/218 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - right alignment                   | Rel-5   | 8.3              |                | C148           | C148           | C148           | C148 AND C170 AND C171          | E.1/17 AND E.1/124 AND E.1/219 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - large font size                   | Rel-5   | 8.4              |                | C150 AND C149  | C150 AND C149  | C150 AND C149  | C150 AND C149 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - small font size                   | Rel-5   | 8.5              |                | C151 AND C149  | C151 AND C149  | C151 AND C149  | C151 AND C149 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - bold on                           | Rel-5   | 8.6              |                | C153 AND C152  | C153 AND C152  | C153 AND C152  | C153 AND C152 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/226 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - italic on                         | Rel-5   | 8.7              |                | C154 AND C152  | C154 AND C152  | C154 AND C152  | C154 AND C152 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/227 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - underlined on                     | Rel-5   | 8.8              |                | C155 AND C152  | C155 AND C152  | C155 AND C152  | C155 AND C152 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/225 AND E.1/228 AND E.1/110 AND E.1/111 |         |
|      | Text attribute -strikethrough on                   | Rel-5   | 8.9              |                | C156 AND C152  | C156 AND C152  | C156 AND C152  | C156 AND C152 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/229 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - foreground and background colours | Rel-5   | 8.10             |                | C157 AND C158  | C157 AND C158  | C157 AND C158  | C157 AND C158 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110 AND E.1/111 |         |
|      | UCS2 display_in Chinese                            | Rel-4   | 9.1              |                | C143           | C143           | C143           | C143 AND C170 AND C171          | E.1/17 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|      | UCS2 display_in Katakana                           | Rel-4   | 10.1             |                | C145           | C145           | C145           | C145 AND C170 AND C171          | E.1/17 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|      | Frames   | Rel-6   | TBD              |                |                | C133           | C133           | C133 AND C170                   | E.1/17 AND E.1/177 AND E.1/178 AND E.1/110                         |         |



| Item     | Description  | Release | Test sequence(s)   | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal         | Terminal Profile                                       | Support |
|----------|--|---------|--------------------|----------------|----------------|----------------|----------------|------------------------|--|---------|
| <b>5</b> | <b>GET INKEY</b> <b>27.22.4.2</b>                  |         |                    |                |                |                |                |                        |  |         |
|          | Prompt unpacked                                    | Rel-4   | 1.1                | M              | M              | M              | M              | C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | Prompt packed                                      | Rel-4   | 1.2                | M              | M              | M              | M              | C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | Backwards move in UICC session                     | Rel-4   | 1.3                | M              | M              | M              | M              | C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | Session terminated by user                         | Rel-4   | 1.4                | M              | M              | M              | M              | C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | SMS alphabet                                       | Rel-4   | 1.5                | M              | M              | M              | M              | C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | Long text up to 160 bytes                          | Rel-4   | 1.6                | M              | M              | M              | M              | C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | No response from user                              | Rel-4   | 2.1                | C120           | C120           | C120           | C120           | C120 AND C170 AND C171 | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | UCS2 display in Cyrillic                           | Rel-4   | 3.1                | C118           | C118           | C118           | C118           | C118 AND C170 AND C171 | E.1/18 AND E.1/15 AND E.1/110 AND E.1/111              |         |
|          | UCS2 display in Cyrillic, Long text up to 70 chars | Rel-4   | 3.2                | C118           | C118           | C118           | C118           | C118 AND C170 AND C171 | E.1/18 AND E.1/15 AND E.1/110 AND E.1/111              |         |
|          | UCS2 format of entry in Russian                    | Rel-4   | 4.1                | C105           | C105           | C105           | C105           | C105 AND C170 AND C171 | E.1/18 AND E.1/14 AND E.1/110 AND E.1/111              |         |
|          | "Yes/No" response                                  | Rel-4   | 5.1                | M              | M              | M              | M              | C170 AND C171          | E.1/18 AND E.1/60 AND E.1/110 AND E.1/111              |         |
|          | Icons  | Rel-4   | 6.1, 6.2, 6.3, 6.4 | C108           | C108           | C108           | C108           | C108 AND C170 AND C171 | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | Help information                                   | Rel-4   | 7.1                | C107           | C107           | C107           | C107           | C107 AND C170 AND C171 | E.1/18 AND E.1/110 AND E.1/111                         |         |
|          | Variable Timeout                                   | Rel-4   | 8.1                | C126           | C126           | C126           | C126           | C126 AND C170 AND C171 | E.1/18 AND E.1/140 AND E.1/110 AND E.1/111             |         |
|          | Text attribute - left alignment                    | Rel-5   | 9.1                |                | C146           | C146           | C146           | C146 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/217 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - center alignment                  | Rel-5   | 9.2                |                | C147           | C147           | C147           | C147 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/218 AND E.1/110 AND E.1/111 |         |

| Item | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal                  | Terminal Profile   | Support |
|------|--|---------|------------------|----------------|----------------|----------------|----------------|---------------------------------|--|---------|
|      | Text attribute - right alignment                   | Rel-5   | 9.3              |                | C148           | C148           | C148           | C148 AND C170 AND C171          | E.1/18 AND E.1/124 AND E.1/219 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - large font size                   | Rel-5   | 9.4              |                | C150 AND C149  | C150 AND C149  | C150 AND C149  | C150 AND C149 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - small font size                   | Rel-5   | 9.5              |                | C151 AND C149  | C151 AND C149  | C151 AND C149  | C151 AND C149 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - bold on                           | Rel-5   | 9.6              |                | C153 AND C152  | C153 AND C152  | C153 AND C152  | C153 AND C152 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/226 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - italic on                         | Rel-5   | 9.7              |                | C154 AND C152  | C154 AND C152  | C154 AND C152  | C154 AND C152 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/227 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute -underlined on                      | Rel-5   | 9.8              |                | C155 AND C152  | C155 AND C152  | C155 AND C152  | C155 AND C152 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/228 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute -strikethrough on                   | Rel-5   | 9.9              |                | C156 AND C152  | C156 AND C152  | C156 AND C152  | C156 AND C152 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/229 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - foreground and background colours | Rel-5   | 9.10             |                | C157 AND C158  | C157 AND C158  | C157 AND C158  | C157 AND C158 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110 AND E.1/111 |         |
|      | UCS2 display in Chinese                            | Rel-4   | 10.1, 10.2       |                | C143           | C143           | C143           | C143 AND C170 AND C171          | E.1/18 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|      | UCS2 format of entry in Chinese                    | Rel-4   | 11.1             |                | C142           | C142           | C142           | C142 AND C170 AND C171          | E.1/18 AND E.1/14 AND E.1/110 AND E.1/111                          |         |
|      | UCS2 display in Katakana                           | Rel-4   | 12.1             |                | C145           | C145           | C145           | C145 AND C170 AND C171          | E.1/18 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|      | UCS2 format of entry in Katagana                   | Rel-4   | 13.1             |                | C144           | C144           | C144           | C144 AND C170 AND C171          | E.1/18 AND E.1/14 AND E.1/110 AND E.1/111                          |         |

| Item     | Description   | Release | Test sequence(s)   | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal         | Terminal Profile                                       | Support |
|----------|---|---------|--------------------|----------------|----------------|----------------|----------------|------------------------|--|---------|
|          | Frames  | Rel-6   | TBD                |                |                | C133           | C133           | C133 AND C170 AND C171 | E.1/19 AND E.1/177 AND E.1/178 AND E.1/110 AND E.1/111 |         |
| <b>6</b> | <b>GET INPUT</b> <b>27.22.4.3</b>                                 |         |                    |                |                |                |                |                        |  |         |
|          | Input unpacked  | Rel-4   | 1.1                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Input packed  | Rel-4   | 1.2                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | SMS alphabet  | Rel-4   | 1.3                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Hidden input  | Rel-4   | 1.4                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Min/max acceptable length   | Rel-4   | 1.5                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Backwards move in UICC session                                    | Rel-4   | 1.6                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Session terminated by user  | Rel-4   | 1.7                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Prompt text up to 160 bytes                                       | Rel-4   | 1.8                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | SMS default alphabet, Terminal to echo text, packing not required | Rel-4   | 1.9                | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Null length for the text string                                   | Rel-4   | 1.10               | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | No response from user   | Rel-4   | 2.1                | C120           | C120           | C120           | C120           | C120 AND C170 AND C171 | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | UCS2 display in Cyrillic  | Rel-4   | 3.1, 3.2           | C118           | C118           | C118           | C118           | C118 AND C170 AND C171 | E.1/19 AND E.1/15 AND E.1/110 AND E.1/111              |         |
|          | UCS2 entry in Cyrillic  | Rel-4   | 4.1, 4.2           | C105           | C105           | C105           | C105           | C105 AND C170 AND C171 | E.1/19 AND E.1/14 AND E.1/110 AND E.1/111              |         |
|          | Default text for the input  | Rel-4   | 5.1, 5.2           | M              | M              | M              | M              | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Icons   | Rel-4   | 6.1, 6.2, 6.3, 6.4 | C108           | C108           | C108           | C108           | C108 AND C170 AND C171 | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Help information  | Rel-4   | 7.1                | C107           | C107           | C107           | C107           | C107 AND C170 AND C171 | E.1/19 AND E.1/110 AND E.1/111                         |         |
|          | Text attribute - left alignment                                   | Rel-5   | 8.1                |                | C146           | C146           | C146           | C146 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/217 AND E.1/110 AND E.1/111 |         |

| Item | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal                  | Terminal Profile   | Support |
|------|--|---------|------------------|----------------|----------------|----------------|----------------|---------------------------------|--|---------|
|      | Text attribute - center alignment                  | Rel-5   | 8.2              |                | C147           | C147           | C147           | C147 AND C170 AND C171          | E.1/19 AND E.1/124 AND E.1/218 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - right alignment                   | Rel-5   | 8.3              |                | C148           | C148           | C148           | C148 AND C170 AND C171          | E.1/19 AND E.1/124 AND E.1/219 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - large font size                   | Rel-5   | 8.4              |                | C150 AND C149  | C150 AND C149  | C150 AND C149  | C150 AND C149 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - small font size                   | Rel-5   | 8.5              |                | C151 AND C149  | C151 AND C149  | C151 AND C149  | C151 AND C149 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - bold on                           | Rel-5   | 8.6              |                | C153 AND C152  | C153 AND C152  | C153 AND C152  | C153 AND C152 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/226 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - italic on                         | Rel-5   | 8.7              |                | C154 AND C152  | C154 AND C152  | C154 AND C152  | C154 AND C152 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/227 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute -underlined on                      | Rel-5   | 8.8              |                | C155 AND C152  | C155 AND C152  | C155 AND C152  | C155 AND C152 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/228 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute -strikethrough on                   | Rel-5   | 8.9              |                | C156 AND C152  | C156 AND C152  | C156 AND C152  | C156 AND C152 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/229 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - foreground and background colours | Rel-5   | 8.10             |                | C157 AND C158  | C157 AND C158  | C157 AND C158  | C157 AND C158 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110 AND E.1/111 |         |
|      | UCS2 display in Chinese                            | Rel-4   | 9.1, 9.2         | C143           | C143           | C143           | C143           | C143 AND C170 AND C171          | E.1/19 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|      | UCS2 entry in Chinese                              | Rel-4   | 10.1, 10.2       | C142           | C142           | C142           | C142           | C142 AND C170 AND C171          | E.1/19 AND E.1/14 AND E.1/110 AND E.1/111                          |         |
|      | UCS2 display in Katakana                           | Rel-4   | 11.1, 11.2       | C145           | C145           | C145           | C145           | C145 AND C170 AND C171          | E.1/19 AND E.1/15 AND E.1/110 AND E.1/111                          |         |

| Item     | Description                       | Release | Test sequence(s)  | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal                  | Terminal Profile                                       | Support |
|----------|-----------------------------------|---------|-------------------|----------------|----------------|----------------|----------------|---------------------------------|--|---------|
|          | UCS2 entry in Katakana            | Rel-4   | 12.1, 12.2        | C144           | C144           | C144           | C144           | C144 AND C170 AND C171          | E.1/19 AND E.1/14 AND E.1/110 AND E.1/111              |         |
|          | Frames                            | Rel-6   | TBD               |                |                | C133           | C133           | C133 AND C170 AND C171          | E.1/19 AND E.1/177 AND E.1/178 AND E.1/110 AND E.1/111 |         |
| <b>7</b> | <b>MORE TIME</b> 27.22.4.4        | Rel-4   | 1.1               | M              | M              | M              | M              | M                               | E.1/20   |         |
| <b>8</b> | <b>PLAY TONE</b> 27.22.4.5        |         |                   |                |                |                |                |                                 |  |         |
|          | Play all tones                    | Rel-4   | 1.1               | M              | M              | M              | M              | C170 AND C171 AND C172          | E.1/21 AND E.1/110 AND E.1/111                         |         |
|          | UCS2 display in Cyrillic          | Rel-4   | 2.1               | C118           | C118           | C118           | C118           | C118 AND C170 AND C172          | E.1/21 AND E.1/15 AND E.1/110                          |         |
|          | Icons                             | Rel-4   | 3.1, 3.2,3.3, 3.4 | C108           | C108           | C108           | C108           | C108 AND C170 AND C172          | E.1/21 AND E.1/110                                     |         |
|          | Text attribute - left alignment   | Rel-5   | 4.1               |                | C146           | C146           | C146           | C146 AND C170 AND C172          | E.1/21 AND E.1/124 AND E.1/217 AND E.1/110             |         |
|          | Text attribute - center alignment | Rel-5   | 4.2               |                | C147           | C147           | C147           | C147 AND C170 AND C172          | E.1/21 AND E.1/124 AND E.1/218 AND E.1/110             |         |
|          | Text attribute - right alignment  | Rel-5   | 4.3               |                | C148           | C148           | C148           | C148 AND C170 AND C172          | E.1/21 AND E.1/124 AND E.1/219 AND E.1/110             |         |
|          | Text attribute - large font size  | Rel-5   | 4.4               |                | C150 AND C149  | C150 AND C149  | C150 AND C149  | C150 AND C149 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110 |         |
|          | Text attribute - small font size  | Rel-5   | 4.5               |                | C151 AND C149  | C151 AND C149  | C151 AND C149  | C151 AND C149 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110 |         |
|          | Text attribute - bold on          | Rel-5   | 4.6               |                | C153 AND C152  | C153 AND C152  | C153 AND C152  | C153 AND C152 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/226 AND E.1/225 AND E.1/110 |         |
|          | Text attribute - italic on        | Rel-5   | 4.7               |                | C154 AND C152  | C154 AND C152  | C154 AND C152  | C154 AND C152 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/227 AND E.1/225 AND E.1/110 |         |

| Item      | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal         | Terminal Profile                                      | Support |
|-----------|--|---------|------------------|----------------|----------------|----------------|----------------|------------------------|---|---------|
|           | Text attribute -underlined on                        | Rel-5   | 4.8              |                | C155 AND C152  | C155 AND C152  | C155 AND C152  | C155 AND C152 AND C172 | E.1/21 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 |         |
|           | Text attribute -strikethrough on                     | Rel-5   | 4.9              |                | C156 AND C152  | C156 AND C152  | C156 AND C152  | C156 AND C152 AND C172 | E.1/21 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 |         |
|           | Text attribute - foreground and background colours   | Rel-5   | 4.10             |                | C157 AND C158  | C157 AND C158  | C157 AND C158  | C157 AND C158 AND C172 | E.1/21 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 |         |
|           | UCS2 display in Chinese                              | Rel-4   | 5.1              |                | C143           | C143           | C143           | C143 AND C170 AND C172 | E.1/21 AND E.1/15 AND E1/110                          |         |
|           | UCS2 display in Katakana                             | Rel-4   | 6.1              |                | C145           | C145           | C145           | C145 AND C170 AND C172 | E.1/21 AND E.1/15 AND E1/110                          |         |
|           | Frames   | Rel-6   | TBD              |                |                | C133           | C133           | C133 AND C170 AND C172 | E.1/21 AND E.1/177 AND E.1/178 AND E1/110             |         |
|           | Themed and Melody tones                              | Rel-6   | TBD              |                |                | C138           | C138           | C138 AND C170 AND C172 | E.1/21 AND E1/110                                     |         |
| <b>9</b>  | <b>POLL INTERVAL</b> <b>27.22.4.6</b>                |         |                  |                |                |                |                |                        |   |         |
|           | Duration   | Rel-4   | 1.1              | M              | M              | M              | M              | M                      | E.1/22  |         |
| <b>10</b> | <b>REFRESH</b> <b>27.22.4.7</b>                      |         |                  |                |                |                |                |                        |   |         |
|           | NAA Initialization and Full File Change Notification | Rel-4   | N/A              |                |                |                |                |                        | E.1/24  |         |
|           | File Change Notification                             | Rel-4   | 1.2              | M              | M              | M              | M              | M                      | E.1/24  |         |
|           | NAA Initialization and File Change Notification      | Rel-4   | N/A              |                |                |                |                |                        | E.1/24  |         |
|           | NAA Initialization                                   | Rel-4   | N/A              |                |                |                |                |                        | E.1/24  |         |
|           | UICC Reset   | Rel-4   | 1.5              | M              | M              | M              | M              | M                      | E.1/24  |         |
|           | NAA Application Reset                                | Rel-4   | N/A              |                |                |                |                |                        | E.1/24  |         |
|           | NAA Session Reset                                    | Rel-4   | N/A              |                |                |                |                |                        | E.1/24  |         |
| <b>11</b> | <b>SET UP MENU</b> <b>27.22.4.8</b>                  |         |                  |                |                |                |                |                        |   |         |
|           | Set up, menu selection, replace and remove menu      | Rel-4   | 1.1              | M              | M              | M              | M              | C170 AND C171          | E.1/30 AND E.1/4 AND E1/110 AND E1/111                |         |
|           | Large menu   | Rel-4   | 1.2              | M              | M              | M              | M              | C170 AND C171          | E.1/30 AND E.1/4 AND E1/110 AND E1/111                |         |
|           | Help information                                     | Rel-4   | 2.1              | C107           | C107           | C107           | C107           | C107 AND C170 AND C171 | E.1/30 AND E.1/4 AND E1/110 AND E1/111                |         |

| Item | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal                  | Terminal Profile   | Support |
|------|--|---------|------------------|----------------|----------------|----------------|----------------|---------------------------------|--|---------|
|      | Next action indicator                              | Rel-4   | 3.1              | M              | M              | M              | M              | C170 AND C171                   | E.1/30 AND E1/110 AND E1/111                                     |         |
|      | Icons  | Rel-4   | 4.1, 4.2         | C108           | C108           | C108           | C108           | C108 AND C170 AND C171          | E.1/30 AND E1/110 AND E1/111                                     |         |
|      | Soft key access                                    | Rel-4   | 5.1              | C112           | C112           | C112           | C112           | C112 AND C170 AND C171          | E.1/30 AND E.1/74 AND E1/110 AND E1/111                          |         |
|      | Text attribute                                     | Rel-5   | 6.1              |                | C146           | C146           | C146           | C146 AND C170 AND C171          | E.1/30 AND E.1/124 AND E.1/217 AND E1/110 AND E1/111             |         |
|      | Text attribute - center alignment                  | Rel-5   | 6.2              |                | C147           | C147           | C147           | C147 AND C170 AND C171          | E.1/30 AND E.1/124 AND E.1/218 AND E1/110 AND E1/111             |         |
|      | Text attribute - right alignment                   | Rel-5   | 6.3              |                | C148           | C148           | C148           | C148 AND C170 AND C171          | E.1/30 AND E.1/124 AND E.1/219 AND E1/110 AND E1/111             |         |
|      | Text attribute - large font size                   | Rel-5   | 6.4              |                | C150 AND C149  | C150 AND C149  | C150 AND C149  | C150 AND C149 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/221 AND E.1/220 AND E1/110 AND E1/111 |         |
|      | Text attribute - small font size                   | Rel-5   | 6.5              |                | C151 AND C149  | C151 AND C149  | C151 AND C149  | C151 AND C149 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 AND E1/111 |         |
|      | Text attribute - bold on                           | Rel-5   | 6.6              |                | C153 AND C152  | C153 AND C152  | C153 AND C152  | C153 AND C152 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute - italic on                         | Rel-5   | 6.7              |                | C154 AND C152  | C154 AND C152  | C154 AND C152  | C154 AND C152 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute -underlined on                      | Rel-5   | 6.8              |                | C155 AND C152  | C155 AND C152  | C155 AND C152  | C155 AND C152 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute -strikethrough on                   | Rel-5   | 6.9              |                | C156 AND C152  | C156 AND C152  | C156 AND C152  | C156 AND C152 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute - foreground and background colours | Rel-5   | 6.10             |                | C157 AND C158  | C157 AND C158  | C157 AND C158  | C157 AND C158 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 AND E1/111 |         |

| Item      | Description                         | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal         | Terminal Profile                                     | Support |
|-----------|-------------------------------------|---------|------------------|----------------|----------------|----------------|----------------|------------------------|--|---------|
|           | UCS2 Display in Cyrillic            | Rel-4   | 7.1              | C118           | C118           | C118           | C118           | C118 AND C170 AND C171 | E.1/39 AND E.1/15 AND E1/110 AND E1/111              |         |
|           | UCS2 Display in Chinese             | Rel-4   | 8.1              |                | C143           | C143           | C143           | C143 AND C170 AND C171 | E.1/39 AND E.1/15 AND E1/110 AND E1/111              |         |
|           | UCS2 Display in Katakana            | Rel-4   | 9.1              |                | C145           | C145           | C145           | C145 AND C170 AND C171 | E.1/39 AND E.1/15 AND E1/110 AND E1/111              |         |
| <b>12</b> | <b>SELECT ITEM</b> <b>27.22.4.9</b> |         |                  |                |                |                |                |                        |  |         |
|           | Mandatory features                  | Rel-4   | 1.1              | M              | M              | M              | M              | C170 AND C171          | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Large menu                          | Rel-4   | 1.2, 1.3, 1.6    | M              | M              | M              | M              | C170 AND C171          | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Backwards move                      | Rel-4   | 1.4              | M              | M              | M              | M              | C170 AND C171          | E.1/25 AND E1/110 AND E1/111                         |         |
|           | User termination                    | Rel-4   | 1.5              | M              | M              | M              | M              | C170 AND C171          | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Next action indicator               | Rel-4   | 2.1              | M              | M              | M              | M              | C170 AND C171          | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Default selected item               | Rel-4   | 3.1              | M              | M              | M              | M              | C170 AND C171          | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Help information                    | Rel-4   | 4.1              | C107           | C107           | C107           | C107           | C107 AND C170 AND C171 | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Icons                               | Rel-4   | 5.1, 5.2         | C108           | C108           | C108           | C108           | C108 AND C170 AND C171 | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Presentation style                  | Rel-4   | 6.1, 6.2         | M              | M              | M              | M              | C170 AND C171          | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Soft keys                           | Rel-4   | 7.1              | C112           | C112           | C112           | C112           | C112 AND C170 AND C171 | E.1/25 AND E.1/73 AND E1/110 AND E1/111              |         |
|           | No Response from user               | Rel-4   | 8.1              | C120           | C120           | C120           | C120           | C120 AND C170 AND C171 | E.1/25 AND E1/110 AND E1/111                         |         |
|           | Text attribute - left alignment     | Rel-5   | 9.1              |                | C146           | C146           | C146           | C146 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/217 AND E1/110 AND E1/111 |         |
|           | Text attribute - center alignment   | Rel-5   | 9.2              |                | C147           | C147           | C147           | C147 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/218 AND E1/110 AND E1/111 |         |



| Item | Description  | Release           | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal                  | Terminal Profile   | Support |
|------|--|-------------------|------------------|----------------|----------------|----------------|----------------|---------------------------------|--|---------|
|      | Text attribute - right alignment                   | Rel-5             | 9.3              |                | C148           | C148           | C148           | C148 AND C170 AND C171          | E.1/25 AND E.1/124 AND E.1/219 AND E1/110 AND E1/111             |         |
|      | Text attribute - large font size                   | Rel-5             | 9.4              |                | C150 AND C149  | C150 AND C149  | C150 AND C149  | C150 AND C149 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/221 AND E.1/220 AND E1/110 AND E1/111 |         |
|      | Text attribute - small font size                   | Rel-5             | 9.5              |                | C151 AND C149  | C151 AND C149  | C151 AND C149  | C151 AND C149 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 AND E1/111 |         |
|      | Text attribute - bold on                           | Rel-5             | 9.6              |                | C153 AND C152  | C153 AND C152  | C153 AND C152  | C153 AND C152 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute - italic on                         | Rel-5             | 9.7              |                | C154 AND C152  | C154 AND C152  | C154 AND C152  | C154 AND C152 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute -underlined on                      | Rel-5             | 9.8              |                | C155 AND C152  | C155 AND C152  | C155 AND C152  | C155 AND C152 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute -strikethrough on                   | Rel-5             | 9.9              |                | C156 AND C152  | C156 AND C152  | C156 AND C152  | C156 AND C152 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute - foreground and background colours | Rel-5             | 9.10             |                | C157 AND C158  | C157 AND C158  | C157 AND C158  | C157 AND C158 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 AND E1/111 |         |
|      | UCS2 Display in Cyrillic                           | Rel-4             | 10.1,10.2,10.3   | C118           | C118           | C118           | C118           | C118 AND C170 AND C171          | E.1/25 AND E.1/15 AND E1/110 AND E1/111                          |         |
|      | UCS2 Display in Chinese                            | Rel-4             | 11.1             |                | C143           | C143           | C143           | C143 AND C170 AND C171          | E.1/25 AND E.1/15 AND E1/110 AND E1/111                          |         |
|      | UCS2 Display in Katakana                           | Rel-4             | 12.1,12.2,12.3   |                | C145           | C145           | C145           | C145 AND C170 AND C171          | E.1/25 AND E.1/15 AND E1/110 AND E1/111                          |         |
|      | Frames   | Rel-6             | TBD              |                |                | C133           | C133           | C133 AND C170 AND C171          | E.1/25 AND E.1/177 AND E.1/178 AND E1/110 AND E1/111             |         |
| 13   | <b>SEND SMS</b>                                    | <b>27.22.4.10</b> | Rel-4            | N/A            |                |                |                |                                 | E.1/26   |         |
| 14   | <b>Void</b>  |                   |                  |                |                |                |                |                                 |  |         |

| Item | Description   | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal         | Terminal Profile                                   | Support |
|------|---|---------|------------------|----------------|----------------|----------------|----------------|------------------------|--|---------|
| 15   | Void 27.22.4.12   |         |                  |                |                |                |                |                        |  |         |
| 16   | SET UP CALL 27.22.4.13  | Rel-4   | N/A              |                |                |                |                |                        | E.1/29   |         |
| 17   | POLLING OFF 27.22.4.14  | Rel-4   | 1.1              | M              | M              | M              | M              |                        | E.1/23   |         |
| 18   | PROVIDE LOCAL INFO 27.22.4.15   |         |                  |                |                |                |                |                        |  |         |
|      | Location Information according to current NAA   | Rel-4   | N/A              |                |                |                |                |                        | E.1/31   |         |
|      | IMEI of the Terminal  | Rel-4   | 1.2              | M              | M              | M              | M              | M                      | E.1/31   |         |
|      | Network Measurement results according to current NAA  | Rel-4   | N/A              |                |                |                |                |                        | E.1/32 AND E.1/67                                  |         |
|      | Date, time and time zone  | Rel-4   | 1.4              | M              | M              | M              | M              | M                      | E.1/59   |         |
|      | Language setting  | Rel-4   | 1.5              | M              | M              | M              | M              | M                      | E.1/68   |         |
|      | Void  |         |                  |                |                |                |                |                        |  |         |
|      | Access Technology   | Rel-4   | N/A              |                |                |                |                |                        | E.1/72   |         |
|      | ESN of the terminal   | Rel-4   | 1.8              | M              | M              | M              | M              | M                      | E.1/141  |         |
|      | IMEISV of the terminal  | Rel-6   | 1.9              |                |                | M              | M              | M                      | E.1/143  |         |
|      | Search Mode   | Rel-6   | N/A              |                |                |                |                |                        | E.1/144  |         |
|      | Charge State of the Battery   | Rel-6   | 1.11             |                |                | C139           | C139           | C139                   | E.1/170  |         |
|      | Void  |         |                  |                |                |                |                |                        |  |         |
|      | Broadcast Network information   | Rel-8   | 1.13             |                |                |                |                | C169                   | E.1/239  |         |
| 19   | SET UP EVENT LIST 27.22.4.16  |         |                  |                |                |                |                |                        |  |         |
|      | User Activity event   | Rel-4   | 1.1              | M              | M              | M              | M              | C171                   | E.1/33 AND E.1/35 AND E1/111                       |         |
|      | Replace by new event list   | Rel-4   | 1.2              | M              | M              | M              | M              | C170 AND C171 AND C174 | E.1/33 AND E.1/35 AND E.1/36 AND E1/110 AND E1/111 |         |
|      | Remove event  | Rel-4   | 1.3              | M              | M              | M              | M              | C170 AND C171 AND C174 | E.1/33 AND E.1/35 AND E1/110 AND E1/111            |         |
|      | Remove Event on Terminal Power Cycle  | Rel-4   | 1.4              | M              | M              | M              | M              | C170 AND C171 AND C174 | E.1/33 AND E.1/35 AND E1/110 AND E1/111            |         |
| 20   | PERFORM CARD APDU 27.22.4.17  |         |                  |                |                |                |                |                        |  |         |
|      | Additional card inserted, Select MF and Get Response  | Rel-4   | 1.1              | C109           | C109           | C109           | C109           | C109                   | E.1/51   |         |
|      | Additional card inserted, Select DF GSM, Select EF PLMN , Update Binary, Read Binary on EF PLMN | Rel-4   | 1.2              | C109           | C109           | C109           | C109           | C109                   | E.1/51   |         |
|      | Additional card inserted, card powered off  | Rel-4   | 1.3              | C109           | C109           | C109           | C109           | C109                   | E.1/51   |         |
|      | No card inserted, card powered off  | Rel-4   | 1.4              | C109           | C109           | C109           | C109           | C109                   | E.1/51   |         |
|      | Invalid card reader identifier  | Rel-4   | 1.5              | C109           | C109           | C109           | C109           | C109                   | E.1/51   |         |
|      | Detachable reader   | Rel-4   | 2.1              | C116           | C116           | C116           | C116           | C116                   | E.1/51   |         |

| Item      | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal | Terminal Profile                                   | Support |
|-----------|--|---------|------------------|----------------|----------------|----------------|----------------|----------------|--|---------|
| <b>21</b> | <b>POWER OFF CARD 27.22.4.18</b>   |         |                  |                |                |                |                |                |  |         |
|           | Additional card inserted   | Rel-4   | 1.1              | C109           | C109           | C109           | C109           | C109           | E.1/50   |         |
|           | No card inserted   | Rel-4   | 1.2              | C109           | C109           | C109           | C109           | C109           | E.1/50   |         |
|           | Detachable reader  | Rel-4   | 2.1              | C109           | C109           | C109           | C109           | C109           | E.1/50   |         |
| <b>22</b> | <b>POWER ON CARD 27.22.4.19</b>  |         |                  |                |                |                |                |                |  |         |
|           | Additional card inserted   | Rel-4   | 1.1              | C109           | C109           | C109           | C109           | C109           | E.1/49   |         |
|           | No ATR   | Rel-4   | 1.2              | C109           | C109           | C109           | C109           | C109           | E.1/49   |         |
|           | No card inserted   | Rel-4   | 1.3              | C109           | C109           | C109           | C109           | C109           | E.1/49   |         |
|           | Detachable reader  | Rel-4   | 2.1              | C116           | C116           | C116           | C116           | C116           | E.1/49   |         |
| <b>23</b> | <b>GET READER STATUS 27.22.4.20</b>  |         |                  |                |                |                |                |                |  |         |
|           | Additional card inserted, card powered   | Rel-4   | 1.1              | C109           | C109           | C109           | C109           | C109           | E.1/52   |         |
|           | Additional card inserted, card not powered   | Rel-4   | 1.2              | C109           | C109           | C109           | C109           | C109           | E.1/52   |         |
|           | Additional card inserted, card not present   | Rel-4   | 1.3              | C109           | C109           | C109           | C109           | C109           | E.1/52   |         |
|           | Detachable reader  | Rel-4   | 2.1              | C116           | C116           | C116           | C116           | C116           | E.1/52   |         |
| <b>24</b> | <b>TIMER MANAGEMENT 27.22.4.21.1</b>   |         |                  |                |                |                |                |                |  |         |
|           | Start timer 1 several times, get the current value of the timer and deactivate the timer successfully              | Rel-4   | 1.1              | M              | M              | M              | M              | M              | E.1/57 AND E.1/58                                  |         |
|           | Start timer 2 several times, get the current value of the timer and deactivate the timer successfully              | Rel-4   | 1.2              | M              | M              | M              | M              | M              | E.1/57 AND E.1/58                                  |         |
|           | Start timer 8 several times, get the current value of the timer and deactivate the timer successfully              | Rel-4   | 1.3              | M              | M              | M              | M              | M              | E.1/57 AND E.1/58                                  |         |
|           | Try to get the current value of a timer which is not started: action in contradiction with the current timer state | Rel-4   | 1.4              | M              | M              | M              | M              | M              | E.1/57 AND E.1/58                                  |         |
|           | Try to deactivate a timer which is not started: action in contradiction with the current timer state               | Rel-4   | 1.5              | M              | M              | M              | M              | M              | E.1/57 AND E.1/58                                  |         |
|           | Start 8 timers successfully  | Rel-4   | 1.6              | M              | M              | M              | M              | M              | E.1/57 AND E.1/58                                  |         |
| <b>25</b> | <b>ENVELOPE TIMER EXPIRATION 27.22.4.21.2</b>  |         |                  |                |                |                |                |                |  |         |
|           | Pending proactive UICC command   | Rel-4   | 2.1              | M              | M              | M              | M              | M              | E.1/6 AND E.1/57                                   |         |
|           | Card application toolkit busy  | Rel-4   | 2.2              | M              | M              | M              | M              | M              | E.1/6 AND E.1/57 AND E.1/20                        |         |
| <b>26</b> | <b>SET UP IDLE MODE TEXT 27.22.4.22</b>  |         |                  |                |                |                |                |                |  |         |
|           | Display idle mode text   | Rel-4   | 1.1              | M              | M              | M              | M              | C170 AND C171  | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111 |         |
|           | Replace idle mode text   | Rel-4   | 1.2              | M              | M              | M              | M              | C170 AND C171  | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111 |         |

| Item | Description                               | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal                  | Terminal Profile   | Support |
|------|---|---------|------------------|----------------|----------------|----------------|----------------|---------------------------------|--|---------|
|      | Remove idle mode test                     | Rel-4   | 1.3              | M              | M              | M              | M              | C170 AND C171                   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Competing information on Terminal display | Rel-4   | 1.4              | M              | M              | M              | M              | C170 AND C171                   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Terminal powered cycled                   | Rel-4   | 1.5              | M              | M              | M              | M              | C170 AND C171                   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Refresh with NAA initialization           | Rel-4   | 1.6              | M              | M              | M              | M              | C170 AND C171                   | E.1/61 AND E.124 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                           |         |
|      | Large text string                         | Rel-4   | 1.7              | M              | M              | M              | M              | C170 AND C171                   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Icons                                     | Rel-4   | 2.1, 2.2, 2.3    | C108           | C108           | C108           | C108           | C108 AND C170 AND C171          | E.1/61 AND E.1/39 AND E1/110 AND E1/111  |         |
|      | Icons                                     | Rel-4   | 2.4              | C108           | C108           | C108           | C108           | C108 AND C170                   | E.1/61 AND E.1/39 AND E1/110   |         |
|      | UCS2 display in Cyrillic                  | Rel-4   | 3.1              | C118           | C118           | C118           | C118           | C118 AND C170 AND C171          | E.1/61 AND E.1/15 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Text attribute - left alignment           | Rel-5   | 4.1              |                | C146           | C146           | C146           | C146 AND C170 AND C171          | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/217 AND E1/110 AND E1/111             |         |
|      | Text attribute - center alignment         | Rel-5   | 4.2              |                | C147           | C147           | C147           | C147 AND C170 AND C171          | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/218 AND E1/110 AND E1/111             |         |
|      | Text attribute - right alignment          | Rel-5   | 4.3              |                | C148           | C148           | C148           | C148 AND C170 AND C171          | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/219 AND E1/110 AND E1/111             |         |
|      | Text attribute - large font size          | Rel-5   | 4.4              |                | C150 AND C149  | C150 AND C149  | C150 AND C149  | C150 AND C149 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/221 AND E.1/220 AND E1/110 AND E1/111 |         |

| Item      | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal                  | Terminal Profile   | Support |
|-----------|--|---------|------------------|----------------|----------------|----------------|----------------|---------------------------------|--|---------|
|           | Text attribute - small font size                   | Rel-5   | 4.5              |                | C151 AND C149  | C151 AND C149  | C151 AND C149  | C151 AND C149 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 AND E1/111 |         |
|           | Text attribute - bold on                           | Rel-5   | 4.6              |                | C153 AND C152  | C153 AND C152  | C153 AND C152  | C153 AND C152 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute - italic on                         | Rel-5   | 4.7              |                | C154 AND C152  | C154 AND C152  | C154 AND C152  | C154 AND C152 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute -underlined on                      | Rel-5   | 4.8              |                | C155 AND C152  | C155 AND C152  | C155 AND C152  | C155 AND C152 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute -strikethrough on                   | Rel-5   | 4.9              |                | C156 AND C152  | C156 AND C152  | C156 AND C152  | C156 AND C152 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute - foreground and background colours | Rel-5   | 4.10             |                | C157 AND C158  | C157 AND C158  | C157 AND C158  | C157 AND C158 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 AND E1/111 |         |
|           | UCS2 display in Chinese                            | Rel-4   | 5.1              |                | C143           | C143           | C143           | C143 AND C170 AND C171          | E.1/61 AND E.1/15 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|           | UCS2 display in Katakana                           | Rel-4   | 6.1              |                | C145           | C145           | C145           | C145 AND C170 AND C171          | E.1/61 AND E.1/15 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|           | Frames   | Rel-6   | TBD              |                |                | C133           | C133           | C133 AND C170 AND C171          | E.1/61 AND E.1/177 AND E.1/178 AND E1/110 AND E1/111                                   |         |
| <b>27</b> | <b>RUN AT COMMAND 27.22.4.23</b>                   |         |                  |                |                |                |                |                                 |  |         |
|           | No alpha Identifier                                | Rel-4   | 1.1              | C110           | C110           | C110           | C110           | C110                            | E.1/62   |         |
|           | null data alpha identifier presented               | Rel-4   | 1.2              | C110           | C110           | C110           | C110           | C110                            | E.1/62   |         |
|           | alpha identifier presented                         | Rel-4   | 1.3              | C110           | C110           | C110           | C110           | C110 AND C170                   | E.1/62 AND E1/110  |         |

| Item | Description  | Release | Test sequence(s)        | Rel-4 Terminal | Rel-5 Terminal         | Rel-6 Terminal         | Rel-7 Terminal         | Rel-8 Terminal                  | Terminal Profile                                      | Support |
|------|--|---------|-------------------------|----------------|------------------------|------------------------|------------------------|---------------------------------|---|---------|
|      | Icons  | Rel-4   | 2.1, 2.2, 2.3, 2.4, 2.5 | C114           | C114                   | C114                   | C114                   | C114 AND C170                   | E.1/62 AND E1/110                                     |         |
|      | Text attribute - left alignment                    | Rel-5   | 3.1                     |                | C110 AND C146          | C110 AND C146          | C110 AND C146          | C110 AND C146 AND C170          | E.1/62 AND E.1/124 AND E.1/217 AND E1/110             |         |
|      | Text attribute - center alignment                  | Rel-5   | 3.2                     |                | C110 AND C147          | C110 AND C147          | C110 AND C147          | C110 AND C147 AND C170          | E.1/62 AND E.1/124 AND E.1/218 AND E1/110             |         |
|      | Text attribute - right alignment                   | Rel-5   | 3.3                     |                | C110 AND C148          | C110 AND C148          | C110 AND C148          | C110 AND C148 AND C170          | E.1/62 AND E.1/124 AND E.1/219 AND E1/110             |         |
|      | Text attribute - large font size                   | Rel-5   | 3.4                     |                | C110 AND C150 AND C149 | C110 AND C150 AND C149 | C110 AND C150 AND C149 | C110 AND C150 AND C149 AND C170 | E.1/124 AND E.1/221 AND E.1/220 AND E1/110            |         |
|      | Text attribute - small font size                   | Rel-5   | 3.5                     |                | C110 AND C151 AND C149 | C110 AND C151 AND C149 | C110 AND C151 AND C149 | C110 AND C151 AND C149 AND C170 | E.1/62 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 |         |
|      | Text attribute - bold on                           | Rel-5   | 3.6                     |                | C110 AND C153 AND C152 | C110 AND C153 AND C152 | C110 AND C153 AND C152 | C110 AND C153 AND C152 AND C170 | E.1/62 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 |         |
|      | Text attribute - italic on                         | Rel-5   | 3.7                     |                | C110 AND C154 AND C152 | C110 AND C154 AND C152 | C110 AND C154 AND C152 | C110 AND C154 AND C152 AND C170 | E.1/62 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 |         |
|      | Text attribute -underlined on                      | Rel-5   | 3.8                     |                | C110 AND C155 AND C152 | C110 AND C155 AND C152 | C110 AND C155 AND C152 | C110 AND C155 AND C152 AND C170 | E.1/62 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 |         |
|      | Text attribute -strikethrough on                   | Rel-5   | 3.9                     |                | C110 AND C156 AND C152 | C110 AND C156 AND C152 | C110 AND C156 AND C152 | C110 AND C156 AND C152 AND C170 | E.1/62 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 |         |
|      | Text attribute - foreground and background colours | Rel-5   | 3.10                    |                | C110 AND C157 AND C158 | C110 AND C157 AND C158 | C110 AND C157 AND C158 | C110 AND C157 AND C158 AND C170 | E.1/62 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 |         |
|      | UCS2 display in Cyrillic                           | Rel-4   | 4.1                     | C159           | C1598                  | C159                   | C159                   | C159 AND C170                   | E.1/62 AND E.1/15 AND E1/110                          |         |
|      | UCS2 display in Chinese                            | Rel-4   | 5.1                     |                | C160                   | C160                   | C160                   | C160 AND C170                   | E.1/62 AND E.1/15 AND E1/110                          |         |
|      | UCS2 display in Katakana                           | Rel-4   | 6.1                     |                | C161                   | C161                   | C161                   | C161 AND C170                   | E.1/62 AND E.1/15 AND E1/110                          |         |

| Item      | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal | Terminal Profile                          | Support |
|-----------|--|---------|------------------|----------------|----------------|----------------|----------------|----------------|---|---------|
|           | Frames   | Rel-6   | TBD              |                |                | C135           | C135           | C135 AND C170  | E.1/62 AND E.1/177 AND E.1/178 AND E1/110 |         |
| <b>28</b> | <b>SEND DTMF</b> 27.22.4.24  | Rel-4   | N/A              |                |                |                |                |                | E.1/66                                    |         |
| <b>29</b> | <b>LANGUAGE NOTIFICATION</b> 27.22.4.25                                      |         |                  |                |                |                |                |                |   |         |
|           | Specific language notification   | Rel-4   | 1.1              | M              | M              | M              | M              | C174           | E.1/70                                    |         |
|           | Non specific language notification   | Rel-4   | 1.2              | M              | M              | M              | M              | C174           | E.1/70                                    |         |
| <b>30</b> | <b>LAUNCH BROWSER</b> 27.22.4.26   | Rel-4   | N/A              |                |                |                |                |                | E.1/71                                    |         |
| <b>31</b> | <b>OPEN CHANNEL</b> 27.22.4.27   |         |                  |                |                |                |                |                |   |         |
|           | Void   | Void    |                  |                |                |                |                |                |   |         |
|           | Open Channel (related to GPRS)   | Rel-4   | N/A              |                |                |                |                |                | E.1/89 AND E.1/98                         |         |
|           | Open Channel (default bearer)  | Rel-4   | N/A              |                |                |                |                |                | E.1/89 AND E.1/98                         |         |
|           | Open Channel (Local Bearer)  | Rel-4   | TBD              |                |                |                |                |                | E.1/89 AND E.1/98                         |         |
|           | Open Channel (GPRS, support of Text Attribute)                               | Rel-5   | N/A              |                |                |                |                |                | E.1/89 AND E.1/98                         |         |
|           | Open Channel (related to UICC Server Mode)                                   | Rel-7   | 6.1              |                |                |                | C162           | C162           | E.1/89 AND E.1/131                        |         |
|           | Open Channel, TCP in LISTEN state, command performed with modification       | Rel-7   | 6.2              |                |                |                | C163           | C163           | E.1/89 AND E.1/131                        |         |
|           | Open Channel (related to Terminal Server Mode), TCP                          | Rel-7   | 7.1              |                |                |                | C164           | C164           | E.1/89 AND E.1/132                        |         |
|           | Open Channel (related to Terminal Server Mode), UDP                          | Rel-7   | 7.2              |                |                |                | C165           | C165           | E.1/89 AND E.1/133                        |         |
|           | Open Channel (related to Terminal Server Mode), TCP, confirmation parameters | Rel-10  | 7.3              |                |                |                |                |                | E.1/89 AND E.1/132 AND E.1/243            |         |
|           | Open Channel (related to Terminal Server Mode), UDP, confirmation parameters | Rel-10  | 7.4              |                |                |                |                |                | E.1/89 AND E.1/133 AND E.1/243            |         |
| <b>32</b> | <b>CLOSE CHANNEL</b> 27.22.4.28  |         |                  |                |                |                |                |                |   |         |
|           | Close Channel (related to GPRS)  | Rel-4   | N/A              |                |                |                |                |                | E.1/89 AND E.1/90                         |         |
|           | Close Channel (support of Text Attribute)                                    | Rel-5   | N/A              |                |                |                |                |                | E.1/89 AND E.1/90                         |         |
|           | Close Channel (related to UICC Server Mode)                                  | Rel-7   | 3.1 to 3.2       |                |                |                | C162           | C162           | E.1/89 AND E.1/90 AND E.1/131             |         |
|           | Close Channel (related to Terminal Server Mode)                              | Rel-7   | 4.1              |                |                |                | C164           | C164           | E.1/89 AND E.1/90 AND E.1/132             |         |

| Item | Description  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal         | Terminal Profile   | Support |
|------|--|---------|------------------|----------------|----------------|----------------|----------------|------------------------|--|---------|
| 33   | <b>RECEIVE DATA</b> 27.22.4.29                                   | Rel-4   | N/A              |                |                |                |                |                        | E.1/89 AND E.1/91  |         |
| 34   | <b>SEND DATA</b> 27.22.4.30                                      | Rel-4   | N/A              |                |                |                |                |                        | E.1/89 AND E.1/92  |         |
| 35   | <b>GET CHANNEL STATUS</b> 27.22.4.31                             |         |                  |                |                |                |                |                        |  |         |
|      | GET CHANNEL STATUS (related to GPRS)                             | Rel-4   | N/A              |                |                |                |                |                        | E.1/93   |         |
|      | GET CHANNEL STATUS (related to UICC Server Mode)                 | Rel-7   | 2.1 to 2.2       |                |                |                | C162           | C162                   | E.1/89, E.1/93 AND E.1/131   |         |
| 36   | <b>Void</b>  |         |                  |                |                |                |                |                        |  |         |
| 37   | <b>Void</b>  |         |                  |                |                |                |                |                        |  |         |
| 38   | <b>Void</b>  |         |                  |                |                |                |                |                        |  |         |
| 39   | <b>CALL CONTROL BY NAA</b> 27.22.6                               | Rel-4   | N/A              |                |                |                |                |                        | 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 |         |
| 40   | <b>EVENT DOWNLOAD</b> 27.22.7                                    |         |                  |                |                |                |                |                        |  |         |
|      | 27.22.7.1: MT call event   | Rel-4   | N/A              |                |                |                |                |                        | E.1/34 AND E.1/33  |         |
|      | 27.22.7.2.1: call connected event                                | Rel-4   | N/A              |                |                |                |                |                        | E.1/35 AND E.1/33  |         |
|      | 27.22.7.2.2: Terminal supporting SET UP CALL                     | Rel-4   | N/A              |                |                |                |                |                        | E.1/35 AND E.1/29 AND E.1/33   |         |
|      | 27.22.7.3: call disconnected event                               | Rel-4   | N/A              |                |                |                |                |                        | E.1/36 AND E.1/33  |         |
|      | 27.22.7.4: location status event                                 | Rel-4   | N/A              |                |                |                |                |                        | E.1/37 AND E.1/33  |         |
|      | 27.22.7.5: user activity event                                   | Rel-4   | 1.1              | M              | M              | M              | M              | C171                   | E.1/38 AND E.1/33 AND E1/111   |         |
|      | 27.22.7.6: idle screen available event                           | Rel-4   | 1.1              | M              | M              | M              | M              | C170 And C171          | E.1/39 AND E.1/33 AND E1/110 AND E1/111                                |         |
|      | 27.22.7.7.1: Card reader status normal                           | Rel-4   | 1.1              | C109           | C109           | C109           | C109           | C109                   | E.1/40 AND E.1/33  |         |
|      | 27.22.7.7.2: Detachable card reader                              | Rel-4   | 2.1              | C116           | C116           | C116           | C116           | C116                   | E.1/40 AND E.1/33  |         |
|      | 27.22.7.8: language selection event                              | Rel-4   | 1.1              | M              | M              | M              | M              | C170 AND C171 AND C174 | E.1/41 AND E.1/33 AND E1/110 AND E1/111                                |         |
|      | 27.22.7.9: Browser termination event                             | Rel-4   | N/A              |                |                |                |                |                        | E.1/42 AND E.1/33  |         |
|      | 27.22.7.10: Data available event (related to GPRS)               | Rel-4   | N/A              |                |                |                |                |                        | E.1/43 AND E.1/89 AND E.1/33   |         |
|      | 27.22.7.10.2: Data available event (related to UICC server mode) | Rel-7   | 2.1              |                |                |                | C162           | C162                   | E.1/43 AND E.1/89 AND E.1/33 AND E.1/131                               |         |
|      | 27.22.7.11: Channel status event (related to GPRS)               | Rel-4   | N/A              |                |                |                |                |                        | E.1/44 AND E.1/89 AND E.1/33   |         |
|      | 27.22.7.11.2: Channel status event (related to UICC server mode) | Rel-7   | 2.1 to 2.2       |                |                |                | C162           | C162                   | E.1/44 AND E.1/89 AND E.1/33 AND E.1/131                               |         |



| Item | Description                                  | Release | Test sequence(s) | Rel-4 Terminal | Rel-5 Terminal | Rel-6 Terminal | Rel-7 Terminal | Rel-8 Terminal | Terminal Profile             | Support |
|------|--|---------|------------------|----------------|----------------|----------------|----------------|----------------|------------------------------|---------|
|      | 27.22.7.12: Access Technology change event   | Rel-4   | N/A              |                |                |                |                |                | E.1/45 AND E.1/33            |         |
|      | 27.22.7.13: Display parameter changed event  | Rel-4   | N/A              |                |                |                |                |                | E.1/46 AND E.1/33            |         |
|      | 27.22.7.14: Local connection event           | Rel-4   | N/A              |                |                |                |                |                | E.1/47 AND E.1/33            |         |
|      | 27.22.7.15: Network search mode change event | Rel-6   | N/A              |                |                |                |                |                | E.1/48 AND E.1/33            |         |
|      | 27.22.7.16: Browsing status event            | Rel-6   | N/A              |                |                |                |                |                | E.1/193 AND E.1/33           |         |
|      | 27.22.7.17: Frame Information changed event  | Rel-6   | TBD              |                |                |                |                |                |                              |         |
|      | 27.22.7.18: HCI connectivity event           | REL-7   | 1.1              |                |                |                | C168           | C168           | E.1/198 AND E.1/33           |         |
|      | 27.22.7.19: Contactless state request        | REL-9   | 1.1              |                |                |                |                |                | E.1/201 AND E.1/33           |         |
| 41   | Void   |         |                  |                |                |                |                |                |                              |         |
| 42   | <b>SERVICE SEARCH</b>                        | Rel-4   | N/A              |                |                |                |                |                | E.1/94                       |         |
| 43   | <b>GET SERVICE INFORMATION</b>               | Rel-4   | N/A              |                |                |                |                |                | E.1/95                       |         |
| 44   | <b>DECLARE SERVICE</b>                       | Rel-4   | N/A              |                |                |                |                |                | E.1/96                       |         |
| 45   | Void   |         |                  |                |                |                |                |                |                              |         |
| 46   | Void   |         |                  |                |                |                |                |                |                              |         |
| 47   | Void   |         |                  |                |                |                |                |                |                              |         |
| 48   | <b>SET FRAMES</b>                            | Rel-6   | TBD              |                |                | C133           | C133           | C133           | E.1/177                      |         |
| 49   | <b>GET FRAME STATUS</b>                      | Rel-6   | TBD              |                |                | C133           | C133           | C133           | E.1/178                      |         |
| 50   | <b>Handling of command number</b>            |         |                  |                |                |                |                |                |                              |         |
|      | DISPLAY TEXT normal priority                 | Rel-4   | 1.1              | M              | M              | M              | M              | C170 AND C171  | E.1/17 AND E1/110 AND E1/111 |         |
| 51   | <b>TERMINAL APPLICATIONS 27.22.10</b>        |         |                  |                |                |                |                |                |                              |         |
|      | Terminal Applications (one application)      | Rel-7   | 1.1 to 1.2       |                |                |                | C166           | C166           | E.1/235                      |         |
|      | Terminal Applications (several applications) | Rel-7   | 2.1              |                |                |                | C166           | C166           | E.1/235                      |         |
| 52   | <b>ACTIVATE 27.22.4.32</b>                   | Rel-7   | 1.1              |                |                |                | C167           | C167           | E.1/237                      |         |
| 53   | <b>CONTACTLESS STATE CHANGED 27.22.4.33</b>  | Rel-9   | 1.1              |                |                |                |                |                | E1/241                       |         |

Table B.1b: Applicability of tests (from release 9)

| Item | Description   | Release | Test sequence(s) | Rel-9 Terminal         | Rel-10 Terminal        | Terminal Profile                                       | Support |
|------|---|---------|------------------|------------------------|------------------------|--|---------|
| 1    | <b>PROFILE DOWNLOAD</b> 27.22.1                         | Rel-4   | 1                | M                      | M                      | E.1/1  |         |
| 2    | <b>Contents of the TERMINAL PROFILE command</b> 27.22.2 | Rel-4   |                  | M                      | M                      | E.1/1  |         |
| 3    | <b>Servicing of Proactive UICC Commands</b> 27.22.3     | Rel-4   |                  | M                      | M                      |  |         |
| 4    | <b>DISPLAY TEXT</b> 27.22.4.1                           |         |                  |                        |                        |  |         |
|      | Unpacked  | Rel-4   | 1.1              | C170                   | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Screen busy   | Rel-4   | 1.2              | C170                   | C170                   | E.1/17 AND E.1/110                                     |         |
|      | high priority   | Rel-4   | 1.3              | C170                   | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Packed  | Rel-4   | 1.4              | C170                   | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Clear after delay                                       | Rel-4   | 1.5              | C170                   | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Long text up to 160 bytes                               | Rel-4   | 1.6              | C170                   | C170                   | E.1/17 AND E.1/110                                     |         |
|      | Backwards move in Proactive UICC session                | Rel-4   | 1.7              | C170 AND C171          | C170 AND C171          | E.1/17 AND E.1/110 AND E.1/111                         |         |
|      | Session terminated by user                              | Rel-4   | 1.8              | C170 AND C171          | C170 AND C171          | E.1/17 AND E.1/110 AND E.1/111                         |         |
|      | Command not understood by Terminal                      | Rel-4   | 1.9              | C170                   | C170                   | E.1/17 AND E.1/110                                     |         |
|      | No response from user                                   | Rel-4   | 2.1              | C120 AND C170 AND C171 | C120 AND C170 AND C171 | E.1/17 AND E.1/110 AND E.1/111                         |         |
|      | Extension Text  | Rel-4   | 3.1              | C170                   | C170                   | E.1/17 AND E.1/16 AND E.1/110                          |         |
|      | Sustained text  | Rel-4   | 4.1, 4.2         | C170                   | C170                   | E.1/17 AND E.1/65 AND E.1/110                          |         |
|      | Sustained text  | Rel-4   | 4.3              | C170 AND C171          | C170 AND C171          | E.1/17 AND E.1/65 AND E.1/110 AND E.1/111              |         |
|      | Icons   | Rel-4   | 5.1, 5.2, 5.3    | C108 AND C170 AND C171 | C108 AND C170 AND C171 | E.1/17 AND E.1/110 AND E.1/111                         |         |
|      | UCS2 display in Cyrillic                                | Rel-4   | 6.1              | C118 AND C170 AND C171 | C118 AND C170 AND C171 | E.1/17 AND E.1/15 AND E.1/110 AND E.1/111              |         |
|      | Variable Timeout  | Rel-4   | 7.1              | C126 AND C170 AND C171 | C126 AND C170 AND C171 | E.1/17 AND E.1/137 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - left alignment                         | Rel-5   | 8.1              | C146 AND C170 AND C171 | C146 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/217 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - center alignment                       | Rel-5   | 8.2              | C147 AND C170 AND C171 | C147 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/218 AND E.1/110 AND E.1/111 |         |

| Item     | Description  | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|----------|--|---------|------------------|---------------------------------|---------------------------------|--|---------|
|          | Text attribute - right alignment                   | Rel-5   | 8.3              | C148 AND C170 AND C171          | C148 AND C170 AND C171          | E.1/17 AND E.1/124 AND E.1/219 AND E.1/110 AND E.1/111             |         |
|          | Text attribute - large font size                   | Rel-5   | 8.4              | C150 AND C149 AND C170 AND C171 | C150 AND C149 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - small font size                   | Rel-5   | 8.5              | C151 AND C149 AND C170 AND C171 | C151 AND C149 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - bold on                           | Rel-5   | 8.6              | C153 AND C152 AND C170 AND C171 | C153 AND C152 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/226 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - italic on                         | Rel-5   | 8.7              | C154 AND C152 AND C170 AND C171 | C154 AND C152 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/227 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - underlined on                     | Rel-5   | 8.8              | C155 AND C152 AND C170 AND C171 | C155 AND C152 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/225 AND E.1/228 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - strikethrough on                  | Rel-5   | 8.9              | C156 AND C152 AND C170 AND C171 | C156 AND C152 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/229 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - foreground and background colours | Rel-5   | 8.10             | C157 AND C158 AND C170 AND C171 | C157 AND C158 AND C170 AND C171 | E.1/17 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110 AND E.1/111 |         |
|          | UCS2 display_in Chinese                            | Rel-4   | 9.1              | C143 AND C170 AND C171          | C143 AND C170 AND C171          | E.1/17 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|          | UCS2 display_in Katakana                           | Rel-4   | 10.1             | C145 AND C170 AND C171          | C145 AND C170 AND C171          | E.1/17 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|          | Frames   | Rel-6   | TBD              | C133 AND C170                   | C133 AND C170                   | E.1/17 AND E.1/177 AND E.1/178 AND E.1/110                         |         |
| <b>5</b> | <b>GET INKEY</b> <b>27.22.4.2</b>                  |         |                  |                                 |                                 |  |         |
|          | Prompt unpacked                                    | Rel-4   | 1.1              | C170 AND C171                   | C170 AND C171                   | E.1/18 AND E.1/110 AND E.1/111                                     |         |
|          | Prompt packed                                      | Rel-4   | 1.2              | C170 AND C171                   | C170 AND C171                   | E.1/18 AND E.1/110 AND E.1/111                                     |         |

| Item | Description  | Release | Test sequence(s)   | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|------|--|---------|--------------------|---------------------------------|---------------------------------|--|---------|
|      | Backwards move in UICC session                     | Rel-4   | 1.3                | C170 AND C171                   | C170 AND C171                   | E.1/18 AND E.1/110 AND E.1/111                                     |         |
|      | Session terminated by user                         | Rel-4   | 1.4                | C170 AND C171                   | C170 AND C171                   | E.1/18 AND E.1/110 AND E.1/111                                     |         |
|      | SMS alphabet                                       | Rel-4   | 1.5                | C170 AND C171                   | C170 AND C171                   | E.1/18 AND E.1/110 AND E.1/111                                     |         |
|      | Long text up to 160 bytes                          | Rel-4   | 1.6                | C170 AND C171                   | C170 AND C171                   | E.1/18 AND E.1/110 AND E.1/111                                     |         |
|      | No response from user                              | Rel-4   | 2.1                | C120 AND C170 AND C171          | C120 AND C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                                     |         |
|      | UCS2 display in Cyrillic                           | Rel-4   | 3.1                | C118 AND C170 AND C171          | C118 AND C170 AND C171          | E.1/18 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|      | UCS2 display in Cyrillic, Long text up to 70 chars | Rel-4   | 3.2                | C118 AND C170 AND C171          | C118 AND C170 AND C171          | E.1/18 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|      | UCS2 format of entry in Russian                    | Rel-4   | 4.1                | C105 AND C170 AND C171          | C105 AND C170 AND C171          | E.1/18 AND E.1/14 AND E.1/110 AND E.1/111                          |         |
|      | "Yes/No" response                                  | Rel-4   | 5.1                | C170 AND C171                   | C170 AND C171                   | E.1/18 AND E.1/60 AND E.1/110 AND E.1/111                          |         |
|      | Icons  | Rel-4   | 6.1, 6.2, 6.3, 6.4 | C108 AND C170 AND C171          | C108 AND C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                                     |         |
|      | Help information                                   | Rel-4   | 7.1                | C107 AND C170 AND C171          | C107 AND C170 AND C171          | E.1/18 AND E.1/110 AND E.1/111                                     |         |
|      | Variable Timeout                                   | Rel-4   | 8.1                | C126 AND C170 AND C171          | C126 AND C170 AND C171          | E.1/18 AND E.1/140 AND E.1/110 AND E.1/111                         |         |
|      | Text attribute - left alignment                    | Rel-5   | 9.1                | C146 AND C170 AND C171          | C146 AND C170 AND C171          | E.1/18 AND E.1/124 AND E.1/217 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - center alignment                  | Rel-5   | 9.2                | C147 AND C170 AND C171          | C147 AND C170 AND C171          | E.1/18 AND E.1/124 AND E.1/218 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - right alignment                   | Rel-5   | 9.3                | C148 AND C170 AND C171          | C148 AND C170 AND C171          | E.1/18 AND E.1/124 AND E.1/219 AND E.1/110 AND E.1/111             |         |
|      | Text attribute - large font size                   | Rel-5   | 9.4                | C150 AND C149 AND C170 AND C171 | C150 AND C149 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110 AND E.1/111 |         |

| Item     | Description  | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|----------|--|---------|------------------|---------------------------------|---------------------------------|--|---------|
|          | Text attribute - small font size                   | Rel-5   | 9.5              | C151 AND C149 AND C170 AND C171 | C151 AND C149 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - bold on                           | Rel-5   | 9.6              | C153 AND C152 AND C170 AND C171 | C153 AND C152 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/226 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - italic on                         | Rel-5   | 9.7              | C154 AND C152 AND C170 AND C171 | C154 AND C152 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/227 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute -underlined on                      | Rel-5   | 9.8              | C155 AND C152 AND C170 AND C171 | C155 AND C152 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/228 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute -strikethrough on                   | Rel-5   | 9.9              | C156 AND C152 AND C170 AND C171 | C156 AND C152 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/229 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - foreground and background colours | Rel-5   | 9.10             | C157 AND C158 AND C170 AND C171 | C157 AND C158 AND C170 AND C171 | E.1/18 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110 AND E.1/111 |         |
|          | UCS2 display in Chinese                            | Rel-4   | 10.1, 10.2       | C143 AND C170 AND C171          | C143 AND C170 AND C171          | E.1/18 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|          | UCS2 format of entry in Chinese                    | Rel-4   | 11.1             | C142 AND C170 AND C171          | C142 AND C170 AND C171          | E.1/18 AND E.1/14 AND E.1/110 AND E.1/111                          |         |
|          | UCS2 display in Katakana                           | Rel-4   | 12.1             | C145 AND C170 AND C171          | C145 AND C170 AND C171          | E.1/18 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|          | UCS2 format of entry in Katagana                   | Rel-4   | 13.1             | C144 AND C170 AND C171          | C144 AND C170 AND C171          | E.1/18 AND E.1/14 AND E.1/110 AND E.1/111                          |         |
|          | Frames   | Rel-6   | TBD              | C133 AND C170 AND C171          | C133 AND C170 AND C171          | E.1/19 AND E.1/177 AND E.1/178 AND E.1/110 AND E.1/111             |         |
| <b>6</b> | <b>GET INPUT</b> <b>27.22.4.3</b>                  |         |                  |                                 |                                 |  |         |
|          | Input unpacked                                     | Rel-4   | 1.1              | C170 AND C171                   | C170 AND C171                   | E.1/19 AND E.1/110 AND E.1/111                                     |         |
|          | Input packed                                       | Rel-4   | 1.2              | C170 AND C171                   | C170 AND C171                   | E.1/19 AND E.1/110 AND E.1/111                                     |         |

| Item | Description   | Release | Test sequence(s)   | Rel-9 Terminal         | Rel-10 Terminal        | Terminal Profile                                       | Support |
|------|---|---------|--------------------|------------------------|------------------------|--|---------|
|      | SMS alphabet  | Rel-4   | 1.3                | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Hidden input  | Rel-4   | 1.4                | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Min / max acceptable length                                       | Rel-4   | 1.5                | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Backwards move in UICC session                                    | Rel-4   | 1.6                | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Session terminated by user  | Rel-4   | 1.7                | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Prompt text up to 160 bytes                                       | Rel-4   | 1.8                | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | SMS default alphabet, Terminal to echo text, packing not required | Rel-4   | 1.9                | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Null length for the text string                                   | Rel-4   | 1.10               | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | No response from user   | Rel-4   | 2.1                | C120 AND C170 AND C171 | C120 AND C170 AND C171 | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | UCS2 display in Cyrillic  | Rel-4   | 3.1, 3.2           | C118 AND C170 AND C171 | C118 AND C170 AND C171 | E.1/19 AND E.1/15 AND E.1/110 AND E.1/111              |         |
|      | UCS2 entry in Cyrillic  | Rel-4   | 4.1, 4.2           | C105 AND C170 AND C171 | C105 AND C170 AND C171 | E.1/19 AND E.1/14 AND E.1/110 AND E.1/111              |         |
|      | Default text for the input  | Rel-4   | 5.1, 5.2           | C170 AND C171          | C170 AND C171          | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Icons   | Rel-4   | 6.1, 6.2, 6.3, 6.4 | C108 AND C170 AND C171 | C108 AND C170 AND C171 | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Help information  | Rel-4   | 7.1                | C107 AND C170 AND C171 | C107 AND C170 AND C171 | E.1/19 AND E.1/110 AND E.1/111                         |         |
|      | Text attribute - left alignment                                   | Rel-5   | 8.1                | C146 AND C170 AND C171 | C146 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/217 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - center alignment                                 | Rel-5   | 8.2                | C147 AND C170 AND C171 | C147 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/218 AND E.1/110 AND E.1/111 |         |
|      | Text attribute - right alignment                                  | Rel-5   | 8.3                | C148 AND C170 AND C171 | C148 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/219 AND E.1/110 AND E.1/111 |         |

| Item     | Description  | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|----------|--|---------|------------------|---------------------------------|---------------------------------|--|---------|
|          | Text attribute - large font size                   | Rel-5   | 8.4              | C150 AND C149 AND C170 AND C171 | C150 AND C149 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/221 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - small font size                   | Rel-5   | 8.5              | C151 AND C149 AND C170 AND C171 | C151 AND C149 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/222 AND E.1/220 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - bold on                           | Rel-5   | 8.6              | C153 AND C152 AND C170 AND C171 | C153 AND C152 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/226 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - italic on                         | Rel-5   | 8.7              | C154 AND C152 AND C170 AND C171 | C154 AND C152 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/227 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute -underlined on                      | Rel-5   | 8.8              | C155 AND C152 AND C170 AND C171 | C155 AND C152 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/228 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute -strikethrough on                   | Rel-5   | 8.9              | C156 AND C152 AND C170 AND C171 | C156 AND C152 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/229 AND E.1/225 AND E.1/110 AND E.1/111 |         |
|          | Text attribute - foreground and background colours | Rel-5   | 8.10             | C157 AND C158 AND C170 AND C171 | C157 AND C158 AND C170 AND C171 | E.1/19 AND E.1/124 AND E.1/230 AND E.1/231 AND E.1/110 AND E.1/111 |         |
|          | UCS2 display in Chinese                            | Rel-4   | 9.1, 9.2         | C143 AND C170 AND C171          | C143 AND C170 AND C171          | E.1/19 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|          | UCS2 entry in Chinese                              | Rel-4   | 10.1, 10.2       | C142 AND C170 AND C171          | C142 AND C170 AND C171          | E.1/19 AND E.1/14 AND E.1/110 AND E.1/111                          |         |
|          | UCS2 display in Katakana                           | Rel-4   | 11.1, 11.2       | C145 AND C170 AND C171          | C145 AND C170 AND C171          | E.1/19 AND E.1/15 AND E.1/110 AND E.1/111                          |         |
|          | UCS2 entry in Katakana                             | Rel-4   | 12.1, 12.2       | C144 AND C170 AND C171          | C144 AND C170 AND C171          | E.1/19 AND E.1/14 AND E.1/110 AND E.1/111                          |         |
|          | Frames   | Rel-6   | TBD              | C133 AND C170 AND C171          | C133 AND C170 AND C171          | E.1/19 AND E.1/177 AND E.1/178 AND E.1/110 AND E.1/111             |         |
| <b>7</b> | <b>MORE TIME</b> <b>27.22.4.4</b>                  | Rel-4   | 1.1              | M                               | M                               | E.1/20   |         |

| Item     | Description                       | Release | Test sequence(s)  | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile                                      | Support |
|----------|-----------------------------------|---------|-------------------|---------------------------------|---------------------------------|---|---------|
| <b>8</b> | <b>PLAY TONE</b> <b>27.22.4.5</b> |         |                   |                                 |                                 |   |         |
|          | Play all tones                    | Rel-4   | 1.1               | C170 AND C171 AND C172          | C170 AND C171 AND C172          | E.1/21 AND E1/110 AND E.1/111                         |         |
|          | UCS2 display in Cyrillic          | Rel-4   | 2.1               | C118 AND C170 AND C172          | C118 AND C170 AND C172          | E.1/21 AND E.1/15 AND E1/110                          |         |
|          | Icons                             | Rel-4   | 3.1, 3.2,3.3, 3.4 | C108 AND C170 AND C172          | C108 AND C170 AND C172          | E.1/21 AND E1/110                                     |         |
|          | Text attribute - left alignment   | Rel-5   | 4.1               | C146 AND C170 AND C172          | C146 AND C170 AND C172          | E.1/21 AND E.1/124 AND E.1/217 AND E1/110             |         |
|          | Text attribute - center alignment | Rel-5   | 4.2               | C147 AND C170 AND C172          | C147 AND C170 AND C172          | E.1/21 AND E.1/124 AND E.1/218 AND E1/110             |         |
|          | Text attribute - right alignment  | Rel-5   | 4.3               | C148 AND C170 AND C172          | C148 AND C170 AND C172          | E.1/21 AND E.1/124 AND E.1/219 AND E1/110             |         |
|          | Text attribute - large font size  | Rel-5   | 4.4               | C150 AND C149 AND C170 AND C172 | C150 AND C149 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/221 AND E.1/220 AND E1/110 |         |
|          | Text attribute - small font size  | Rel-5   | 4.5               | C151 AND C149 AND C170 AND C172 | C151 AND C149 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 |         |
|          | Text attribute - bold on          | Rel-5   | 4.6               | C153 AND C152 AND C170 AND C172 | C153 AND C152 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 |         |
|          | Text attribute - italic on        | Rel-5   | 4.7               | C154 AND C152 AND C170 AND C172 | C154 AND C152 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 |         |
|          | Text attribute -underlined on     | Rel-5   | 4.8               | C155 AND C152 AND C170 AND C172 | C155 AND C152 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 |         |
|          | Text attribute -strikethrough on  | Rel-5   | 4.9               | C156 AND C152 AND C170 AND C172 | C156 AND C152 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 |         |



| Item      | Description  | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile                                      | Support |
|-----------|--|---------|------------------|---------------------------------|---------------------------------|---|---------|
|           | Text attribute - foreground and background colours   | Rel-5   | 4.10             | C157 AND C158 AND C170 AND C172 | C157 AND C158 AND C170 AND C172 | E.1/21 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 |         |
|           | UCS2 display in Chinese                              | Rel-4   | 5.1              | C143 AND C170 AND C172          | C143 AND C170 AND C172          | E.1/21 AND E.1/15 AND E1/110                          |         |
|           | UCS2 display in Katakana                             | Rel-4   | 6.1              | C145 AND C170 AND C172          | C145 AND C170 AND C172          | E.1/21 AND E.1/15 AND E1/110                          |         |
|           | Frames   | Rel-6   | TBD              | C133 AND C170 AND C172          | C133 AND C170 AND C172          | E.1/21 AND E.1/177 AND E.1/178 AND E1/110             |         |
|           | Themed and Melody tones                              | Rel-6   | TBD              | C138 AND C170 AND C172          | C138 AND C170 AND C172          | E.1/21 AND E1/110                                     |         |
| <b>9</b>  | <b>POLL INTERVAL</b> <b>27.22.4.6</b>                |         |                  |                                 |                                 |   |         |
|           | Duration   | Rel-4   | 1.1              | M                               | M                               | E.1/22  |         |
| <b>10</b> | <b>REFRESH</b> <b>27.22.4.7</b>                      |         |                  |                                 |                                 |   |         |
|           | NAA Initialization and Full File Change Notification | Rel-4   | N/A              |                                 |                                 | E.1/24  |         |
|           | File Change Notification                             | Rel-4   | 1.2              | M                               | M                               | E.1/24  |         |
|           | NAA Initialization and File Change Notification      | Rel-4   | N/A              |                                 |                                 | E.1/24  |         |
|           | NAA Initialization                                   | Rel-4   | N/A              |                                 |                                 | E.1/24  |         |
|           | UICC Reset   | Rel-4   | 1.5              | M                               | M                               | E.1/24  |         |
|           | NAA Application Reset                                | Rel-4   | N/A              |                                 |                                 | E.1/24  |         |
|           | NAA Session Reset                                    | Rel-4   | N/A              |                                 |                                 | E.1/24  |         |
| <b>11</b> | <b>SET UP MENU</b> <b>27.22.4.8</b>                  |         |                  |                                 |                                 |   |         |
|           | Set up, menu selection, replace and remove menu      | Rel-4   | 1.1              | C170 AND C171                   | C170 AND C171                   | E.1/30 AND E.1/4 AND E1/110 AND E1/111                |         |
|           | Large menu   | Rel-4   | 1.2              | C170 AND C171                   | C170 AND C171                   | E.1/30 AND E.1/4 AND E1/110 AND E1/111                |         |
|           | Help information                                     | Rel-4   | 2.1              | C107 AND C170 AND C171          | C107 AND C170 AND C171          | E.1/30 AND E.1/4 AND E1/110 AND E1/111                |         |
|           | Next action indicator                                | Rel-4   | 3.1              | C170 AND C171                   | C170 AND C171                   | E.1/30 AND E1/110 AND E1/111                          |         |
|           | Icons  | Rel-4   | 4.1, 4.2         | C108 AND C170 AND C171          | C108 AND C170 AND C171          | E.1/30 AND E1/110 AND E1/111                          |         |
|           | Soft key access                                      | Rel-4   | 5.1              | C112 AND C170 AND C171          | C112 AND C170 AND C171          | E.1/30 AND E.1/74 AND E1/110 AND E1/111               |         |

| Item | Description  | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|------|--|---------|------------------|---------------------------------|---------------------------------|--|---------|
|      | Text attribute                                     | Rel-5   | 6.1              | C146 AND C170 AND C171          | C146 AND C170 AND C171          | E.1/30 AND E.1/124 AND E.1/217 AND E1/110 AND E1/111             |         |
|      | Text attribute - center alignment                  | Rel-5   | 6.2              | C147 AND C170 AND C171          | C147 AND C170 AND C171          | E.1/30 AND E.1/124 AND E.1/218 AND E1/110 AND E1/111             |         |
|      | Text attribute - right alignment                   | Rel-5   | 6.3              | C148 AND C170 AND C171          | C148 AND C170 AND C171          | E.1/30 AND E.1/124 AND E.1/219 AND E1/110 AND E1/111             |         |
|      | Text attribute - large font size                   | Rel-5   | 6.4              | C150 AND C149 AND C170 AND C171 | C150 AND C149 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/221 AND E.1/220 AND E1/110 AND E1/111 |         |
|      | Text attribute - small font size                   | Rel-5   | 6.5              | C151 AND C149 AND C170 AND C171 | C151 AND C149 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 AND E1/111 |         |
|      | Text attribute - bold on                           | Rel-5   | 6.6              | C153 AND C152 AND C170 AND C171 | C153 AND C152 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute - italic on                         | Rel-5   | 6.7              | C154 AND C152 AND C170 AND C171 | C154 AND C152 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute -underlined on                      | Rel-5   | 6.8              | C155 AND C152 AND C170 AND C171 | C155 AND C152 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute -strikethrough on                   | Rel-5   | 6.9              | C156 AND C152 AND C170 AND C171 | C156 AND C152 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 AND E1/111 |         |
|      | Text attribute - foreground and background colours | Rel-5   | 6.10             | C157 AND C158 AND C170 AND C171 | C157 AND C158 AND C170 AND C171 | E.1/30 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 AND E1/111 |         |
|      | UCS2 Display in Cyrillic                           | Rel-4   | 7.1              | C118 AND C170 AND C171          | C118 AND C170 AND C171          | E.1/39 AND E.1/15 AND E1/110 AND E1/111                          |         |
|      | UCS2 Display in Chinese                            | Rel-4   | 8.1              | C143 AND C170 AND C171          | C143 AND C170 AND C171          | E.1/39 AND E.1/15 AND E1/110 AND E1/111                          |         |

| Item      | Description                         | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|-----------|-------------------------------------|---------|------------------|---------------------------------|---------------------------------|--|---------|
|           | UCS2 Display in Katakana            | Rel-4   | 9.1              | C145 AND C170 AND C171          | C145 AND C170 AND C171          | E.1/39 AND E.1/15 AND E1/110 AND E1/111                          |         |
| <b>12</b> | <b>SELECT ITEM</b> <b>27.22.4.9</b> |         |                  |                                 |                                 |  |         |
|           | Mandatory features                  | Rel-4   | 1.1              | C170 AND C171                   | C170 AND C171                   | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Large menu                          | Rel-4   | 1.2, 1.3, 1.6    | C170 AND C171                   | C170 AND C171                   | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Backwards move                      | Rel-4   | 1.4              | C170 AND C171                   | C170 AND C171                   | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | User termination                    | Rel-4   | 1.5              | C170 AND C171                   | C170 AND C171                   | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Next action indicator               | Rel-4   | 2.1              | C170 AND C171                   | C170 AND C171                   | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Default selected item               | Rel-4   | 3.1              | C170 AND C171                   | C170 AND C171                   | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Help information                    | Rel-4   | 4.1              | C107 AND C170 AND C171          | C107 AND C170 AND C171          | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Icons                               | Rel-4   | 5.1, 5.2         | C108 AND C170 AND C171          | C108 AND C170 AND C171          | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Presentation style                  | Rel-4   | 6.1, 6.2         | C170 AND C171                   | C170 AND C171                   | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Soft keys                           | Rel-4   | 7.1              | C112 AND C170 AND C171          | C112 AND C170 AND C171          | E.1/25 AND E.1/73 AND E1/110 AND E1/111                          |         |
|           | No Response from user               | Rel-4   | 8.1              | C120 AND C170 AND C171          | C120 AND C170 AND C171          | E.1/25 AND E1/110 AND E1/111                                     |         |
|           | Text attribute - left alignment     | Rel-5   | 9.1              | C146 AND C170 AND C171          | C146 AND C170 AND C171          | E.1/25 AND E.1/124 AND E.1/217 AND E1/110 AND E1/111             |         |
|           | Text attribute - center alignment   | Rel-5   | 9.2              | C147 AND C170 AND C171          | C147 AND C170 AND C171          | E.1/25 AND E.1/124 AND E.1/218 AND E1/110 AND E1/111             |         |
|           | Text attribute - right alignment    | Rel-5   | 9.3              | C148 AND C170 AND C171          | C148 AND C170 AND C171          | E.1/25 AND E.1/124 AND E.1/219 AND E1/110 AND E1/111             |         |
|           | Text attribute - large font size    | Rel-5   | 9.4              | C150 AND C149 AND C170 AND C171 | C150 AND C149 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/221 AND E.1/220 AND E1/110 AND E1/111 |         |

| Item      | Description  | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|-----------|--|---------|------------------|---------------------------------|---------------------------------|--|---------|
|           | Text attribute - small font size                   | Rel-5   | 9.5              | C151 AND C149 AND C170 AND C171 | C151 AND C149 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 AND E1/111 |         |
|           | Text attribute - bold on                           | Rel-5   | 9.6              | C153 AND C152 AND C170 AND C171 | C153 AND C152 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute - italic on                         | Rel-5   | 9.7              | C154 AND C152 AND C170 AND C171 | C154 AND C152 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute -underlined on                      | Rel-5   | 9.8              | C155 AND C152 AND C170 AND C171 | C155 AND C152 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute -strikethrough on                   | Rel-5   | 9.9              | C156 AND C152 AND C170 AND C171 | C156 AND C152 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute - foreground and background colours | Rel-5   | 9.10             | C157 AND C158 AND C170 AND C171 | C157 AND C158 AND C170 AND C171 | E.1/25 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 AND E1/111 |         |
|           | UCS2 Display in Cyrillic                           | Rel-4   | 10.1,10.2,10.3   | C118 AND C170 AND C171          | C118 AND C170 AND C171          | E.1/25 AND E.1/15 AND E1/110 AND E1/111                          |         |
|           | UCS2 Display in Chinese                            | Rel-4   | 11.1             | C143 AND C170 AND C171          | C143 AND C170 AND C171          | E.1/25 AND E.1/15 AND E1/110 AND E1/111                          |         |
|           | UCS2 Display in Katakana                           | Rel-4   | 12.1,12.2,12.3   | C145 AND C170 AND C171          | C145 AND C170 AND C171          | E.1/25 AND E.1/15 AND E1/110 AND E1/111                          |         |
|           | Frames   | Rel-6   | TBD              | C133 AND C170 AND C171          | C133 AND C170 AND C171          | E.1/25 AND E.1/177 AND E.1/178 AND E1/110 AND E1/111             |         |
| <b>13</b> | <b>SEND SMS</b> <b>27.22.4.10</b>                  | Rel-4   | N/A              |                                 |                                 | E.1/26   |         |
| <b>14</b> | <b>Void</b>  |         |                  |                                 |                                 |  |         |
| <b>15</b> | <b>Void</b> <b>27.22.4.12</b>                      |         |                  |                                 |                                 |  |         |
| <b>16</b> | <b>SET UP CALL</b> <b>27.22.4.13</b>               | Rel-4   | N/A              |                                 |                                 | E.1/29   |         |
| <b>17</b> | <b>POLLING OFF</b> <b>27.22.4.14</b>               | Rel-4   | 1.1              |                                 |                                 | E.1/23   |         |

| Item      | Description   | Release | Test sequence(s) | Rel-9 Terminal         | Rel-10 Terminal        | Terminal Profile                                   | Support |
|-----------|---|---------|------------------|------------------------|------------------------|--|---------|
| <b>18</b> | <b>PROVIDE LOCAL INFO 27.22.4.15</b>  |         |                  |                        |                        |  |         |
|           | Location Information according to current NAA   | Rel-4   | N/A              |                        |                        | E.1/31   |         |
|           | IMEI of the Terminal  | Rel-4   | 1.2              | M                      | M                      | E.1/31   |         |
|           | Network Measurement results according to current NAA  | Rel-4   | N/A              |                        |                        | E.1/32 AND E.1/67                                  |         |
|           | Date, time and time zone  | Rel-4   | 1.4              | M                      | M                      | E.1/59   |         |
|           | Language setting  | Rel-4   | 1.5              | M                      | M                      | E.1/68   |         |
|           | Void  |         |                  |                        |                        |  |         |
|           | Access Technology   | Rel-4   | N/A              |                        |                        | E.1/72   |         |
|           | ESN of the terminal   | Rel-4   | 1.8              | M                      | M                      | E.1/141  |         |
|           | IMEISV of the terminal  | Rel-6   | 1.9              | M                      | M                      | E.1/143  |         |
|           | Search Mode   | Rel-6   | N/A              |                        |                        | E.1/144  |         |
|           | Charge State of the Battery   | Rel-6   | 1.11             | C139                   | C139                   | E.1/170  |         |
|           | Void  |         |                  |                        |                        |  |         |
|           | Broadcast Network information   | Rel-8   | 1.13             | C169                   | C169                   | E.1/239  |         |
| <b>19</b> | <b>SET UP EVENT LIST 27.22.4.16</b>   |         |                  |                        |                        |  |         |
|           | User Activity event   | Rel-4   | 1.1              | C171                   | C171                   | E.1/33 AND E.1/35 AND E1/111                       |         |
|           | Replace by new event list   | Rel-4   | 1.2              | C170 AND C171 AND C174 | C170 AND C171 AND C174 | E.1/33 AND E.1/35 AND E.1/36 AND E1/110 AND E1/111 |         |
|           | Remove event  | Rel-4   | 1.3              | C170 AND C171 AND C174 | C170 AND C171 AND C174 | E.1/33 AND E.1/35 AND E1/110 AND E1/111            |         |
|           | Remove Event on Terminal Power Cycle  | Rel-4   | 1.4              | C170 AND C171 AND C174 | C170 AND C171 AND C174 | E.1/33 AND E.1/35 AND E1/110 AND E1/111            |         |
| <b>20</b> | <b>PERFORM CARD APDU 27.22.4.17</b>   |         |                  |                        |                        |  |         |
|           | Additional card inserted, Select MF and Get Response  | Rel-4   | 1.1              | C109                   | C109                   | E.1/51   |         |
|           | Additional card inserted, Select DF GSM, Select EF PLMN , Update Binary, Read Binary on EF PLMN | Rel-4   | 1.2              | C109                   | C109                   | E.1/51   |         |
|           | Additional card inserted, card powered off  | Rel-4   | 1.3              | C109                   | C109                   | E.1/51   |         |
|           | No card inserted, card powered off  | Rel-4   | 1.4              | C109                   | C109                   | E.1/51   |         |
|           | Invalid card reader identifier  | Rel-4   | 1.5              | C109                   | C109                   | E.1/51   |         |
|           | Detachable reader   | Rel-4   | 2.1              | C116                   | C116                   | E.1/51   |         |
| <b>21</b> | <b>POWER OFF CARD 27.22.4.18</b>  |         |                  |                        |                        |  |         |
|           | Additional card inserted  | Rel-4   | 1.1              | C109                   | C109                   | E.1/50   |         |
|           | No card inserted  | Rel-4   | 1.2              | C109                   | C109                   | E.1/50   |         |
|           | Detachable reader   | Rel-4   | 2.1              | C109                   | C109                   | E.1/50   |         |

| Item      | Description  | Release | Test sequence(s) | Rel-9 Terminal | Rel-10 Terminal | Terminal Profile                                   | Support |
|-----------|--|---------|------------------|----------------|-----------------|--|---------|
| <b>22</b> | <b>POWER ON CARD 27.22.4.19</b>  |         |                  |                |                 |  |         |
|           | Additional card inserted   | Rel-4   | 1.1              | C109           | C109            | E.1/49   |         |
|           | No ATR   | Rel-4   | 1.2              | C109           | C109            | E.1/49   |         |
|           | No card inserted   | Rel-4   | 1.3              | C109           | C109            | E.1/49   |         |
|           | Detachable reader  | Rel-4   | 2.1              | C116           | C116            | E.1/49   |         |
| <b>23</b> | <b>GET READER STATUS 27.22.4.20</b>  |         |                  |                |                 |  |         |
|           | Additional card inserted, card powered   | Rel-4   | 1.1              | C109           | C109            | E.1/52   |         |
|           | Additional card inserted, card not powered   | Rel-4   | 1.2              | C109           | C109            | E.1/52   |         |
|           | Additional card inserted, card not present   | Rel-4   | 1.3              | C109           | C109            | E.1/52   |         |
|           | Detachable reader  | Rel-4   | 2.1              | C116           | C116            | E.1/52   |         |
| <b>24</b> | <b>TIMER MANAGEMENT 27.22.4.21.1</b>   |         |                  |                |                 |  |         |
|           | Start timer 1 several times, get the current value of the timer and deactivate the timer successfully              | Rel-4   | 1.1              | M              | M               | E.1/57 AND E.1/58                                  |         |
|           | Start timer 2 several times, get the current value of the timer and deactivate the timer successfully              | Rel-4   | 1.2              | M              | M               | E.1/57 AND E.1/58                                  |         |
|           | Start timer 8 several times, get the current value of the timer and deactivate the timer successfully              | Rel-4   | 1.3              | M              | M               | E.1/57 AND E.1/58                                  |         |
|           | Try to get the current value of a timer which is not started: action in contradiction with the current timer state | Rel-4   | 1.4              | M              | M               | E.1/57 AND E.1/58                                  |         |
|           | Try to deactivate a timer which is not started: action in contradiction with the current timer state               | Rel-4   | 1.5              | M              | M               | E.1/57 AND E.1/58                                  |         |
|           | Start 8 timers successfully  | Rel-4   | 1.6              | M              | M               | E.1/57 AND E.1/58                                  |         |
| <b>25</b> | <b>ENVELOPE TIMER EXPIRATION 27.22.4.21.2</b>  |         |                  |                |                 |  |         |
|           | Pending proactive UICC command   | Rel-4   | 2.1              | M              | M               | E.1/6 AND E.1/57                                   |         |
|           | Card application toolkit busy  | Rel-4   | 2.2              | M              | M               | E.1/6 AND E.1/57 AND E.1/20                        |         |
| <b>26</b> | <b>SET UP IDLE MODE TEXT 27.22.4.22</b>  |         |                  |                |                 |  |         |
|           | Display idle mode text   | Rel-4   | 1.1              | C170 AND C171  | C170 AND C171   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111 |         |
|           | Replace idle mode text   | Rel-4   | 1.2              | C170 AND C171  | C170 AND C171   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111 |         |
|           | Remove idle mode test  | Rel-4   | 1.3              | C170 AND C171  | C170 AND C171   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111 |         |

| Item | Description                               | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|------|---|---------|------------------|---------------------------------|---------------------------------|--|---------|
|      | Competing information on Terminal display | Rel-4   | 1.4              | C170 AND C171                   | C170 AND C171                   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Terminal powered cycled                   | Rel-4   | 1.5              | C170 AND C171                   | C170 AND C171                   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Refresh with NAA initialization           | Rel-4   | 1.6              | C170 AND C171                   | C170 AND C171                   | E.1/61 AND E.124 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                           |         |
|      | Large text string                         | Rel-4   | 1.7              | C170 AND C171                   | C170 AND C171                   | E.1/61 AND E.1/33 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Icons                                     | Rel-4   | 2.1, 2.2, 2.3    | C108 AND C170 AND C171          | C108 AND C170 AND C171          | E.1/61 AND E.1/39 AND E1/110 AND E1/111  |         |
|      | Icons                                     | Rel-4   | 2.4              | C108 AND C170                   | C108 AND C170                   | E.1/61 AND E.1/39 AND E1/110   |         |
|      | UCS2 display in Cyrillic                  | Rel-4   | 3.1              | C118 AND C170 AND C171          | C118 AND C170 AND C171          | E.1/61 AND E.1/15 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|      | Text attribute - left alignment           | Rel-5   | 4.1              | C146 AND C170 AND C171          | C146 AND C170 AND C171          | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/217 AND E1/110 AND E1/111             |         |
|      | Text attribute - center alignment         | Rel-5   | 4.2              | C147 AND C170 AND C171          | C147 AND C170 AND C171          | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/218 AND E1/110 AND E1/111             |         |
|      | Text attribute - right alignment          | Rel-5   | 4.3              | C148 AND C170 AND C171          | C148 AND C170 AND C171          | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/219 AND E1/110 AND E1/111             |         |
|      | Text attribute - large font size          | Rel-5   | 4.4              | C150 AND C149 AND C170 AND C171 | C150 AND C149 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/221 AND E.1/220 AND E1/110 AND E1/111 |         |

| Item      | Description  | Release | Test sequence(s) | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile   | Support |
|-----------|--|---------|------------------|---------------------------------|---------------------------------|--|---------|
|           | Text attribute - small font size                   | Rel-5   | 4.5              | C151 AND C149 AND C170 AND C171 | C151 AND C149 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 AND E1/111 |         |
|           | Text attribute - bold on                           | Rel-5   | 4.6              | C153 AND C152 AND C170 AND C171 | C153 AND C152 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute - italic on                         | Rel-5   | 4.7              | C154 AND C152 AND C170 AND C171 | C154 AND C152 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute -underlined on                      | Rel-5   | 4.8              | C155 AND C152 AND C170 AND C171 | C155 AND C152 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute -strikethrough on                   | Rel-5   | 4.9              | C156 AND C152 AND C170 AND C171 | C156 AND C152 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 AND E1/111 |         |
|           | Text attribute - foreground and background colours | Rel-5   | 4.10             | C157 AND C158 AND C170 AND C171 | C157 AND C158 AND C170 AND C171 | E.1/61 AND E.1/33 AND E.1/39 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 AND E1/111 |         |
|           | UCS2 display in Chinese                            | Rel-4   | 5.1              | C143 AND C170 AND C171          | C143 AND C170 AND C171          | E.1/61 AND E.1/15 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|           | UCS2 display in Katakana                           | Rel-4   | 6.1              | C145 AND C170 AND C171          | C145 AND C170 AND C171          | E.1/61 AND E.1/15 AND E.1/39 AND E1/110 AND E1/111                                     |         |
|           | Frames   | Rel-6   | TBD              | C133 AND C170 AND C171          | C133 AND C170 AND C171          | E.1/61 AND E.1/177 AND E.1/178 AND E1/110 AND E1/111                                   |         |
| <b>27</b> | <b>RUN AT COMMAND 27.22.4.23</b>                   |         |                  |                                 |                                 |  |         |
|           | No alpha Identifier                                | Rel-4   | 1.1              | C110                            | C110                            | E.1/62   |         |
|           | null data alpha identifier presented               | Rel-4   | 1.2              | C110                            | C110                            | E.1/62   |         |
|           | alpha identifier presented                         | Rel-4   | 1.3              | C110 AND C170                   | C110 AND C170                   | E.1/62 AND E1/110  |         |



| Item | Description  | Release | Test sequence(s)        | Rel-9 Terminal                  | Rel-10 Terminal                 | Terminal Profile                                      | Support |
|------|--|---------|-------------------------|---------------------------------|---------------------------------|---|---------|
|      | Icons  | Rel-4   | 2.1, 2.2, 2.3, 2.4, 2.5 | C114 AND C170                   | C114 AND C170                   | E.1/62 AND E1/110                                     |         |
|      | Text attribute - left alignment                    | Rel-5   | 3.1                     | C110 AND C146 AND C170          | C110 AND C146 AND C170          | E.1/62 AND E.1/124 AND E.1/217 AND E1/110             |         |
|      | Text attribute - center alignment                  | Rel-5   | 3.2                     | C110 AND C147 AND C170          | C110 AND C147 AND C170          | E.1/62 AND E.1/124 AND E.1/218 AND E1/110             |         |
|      | Text attribute - right alignment                   | Rel-5   | 3.3                     | C110 AND C148 AND C170          | C110 AND C148 AND C170          | E.1/62 AND E.1/124 AND E.1/219 AND E1/110             |         |
|      | Text attribute - large font size                   | Rel-5   | 3.4                     | C110 AND C150 AND C149 AND C170 | C110 AND C150 AND C149 AND C170 | E.1/124 AND E.1/221 AND E.1/220 AND E1/110            |         |
|      | Text attribute - small font size                   | Rel-5   | 3.5                     | C110 AND C151 AND C149 AND C170 | C110 AND C151 AND C149 AND C170 | E.1/62 AND E.1/124 AND E.1/222 AND E.1/220 AND E1/110 |         |
|      | Text attribute - bold on                           | Rel-5   | 3.6                     | C110 AND C153 AND C152 AND C170 | C110 AND C153 AND C152 AND C170 | E.1/62 AND E.1/124 AND E.1/226 AND E.1/225 AND E1/110 |         |
|      | Text attribute - italic on                         | Rel-5   | 3.7                     | C110 AND C154 AND C152 AND C170 | C110 AND C154 AND C152 AND C170 | E.1/62 AND E.1/124 AND E.1/227 AND E.1/225 AND E1/110 |         |
|      | Text attribute -underlined on                      | Rel-5   | 3.8                     | C110 AND C155 AND C152 AND C170 | C110 AND C155 AND C152 AND C170 | E.1/62 AND E.1/124 AND E.1/228 AND E.1/225 AND E1/110 |         |
|      | Text attribute -strikethrough on                   | Rel-5   | 3.9                     | C110 AND C156 AND C152 AND C170 | C110 AND C156 AND C152 AND C170 | E.1/62 AND E.1/124 AND E.1/229 AND E.1/225 AND E1/110 |         |
|      | Text attribute - foreground and background colours | Rel-5   | 3.10                    | C110 AND C157 AND C158 AND C170 | C110 AND C157 AND C158 AND C170 | E.1/62 AND E.1/124 AND E.1/230 AND E.1/231 AND E1/110 |         |
|      | UCS2 display in Cyrillic                           | Rel-4   | 4.1                     | C159 AND C170                   | C159 AND C170                   | E.1/62 AND E.1/15 AND E1/110                          |         |
|      | UCS2 display in Chinese                            | Rel-4   | 5.1                     | C160 AND C170                   | C160 AND C170                   | E.1/62 AND E.1/15 AND E1/110                          |         |
|      | UCS2 display in Katakana                           | Rel-4   | 6.1                     | C161 AND C170                   | C161 AND C170                   | E.1/62 AND E.1/15 AND E1/110                          |         |

| Item      | Description  | Release | Test sequence(s) | Rel-9 Terminal | Rel-10 Terminal                 | Terminal Profile                          | Support |
|-----------|--|---------|------------------|----------------|---------------------------------|---|---------|
|           | Frames   | Rel-6   | TBD              | C135 AND C170  | C135 AND C170                   | E.1/62 AND E.1/177 AND E.1/178 AND E1/110 |         |
| <b>28</b> | <b>SEND DTMF 27.22.4.24</b>  | Rel-4   | N/A              |                |                                 | E.1/66                                    |         |
| <b>29</b> | <b>LANGUAGE NOTIFICATION 27.22.4.25</b>                                      |         |                  |                |                                 |   |         |
|           | Specific language notification   | Rel-4   | 1.1              | C174           | C174                            | E.1/70                                    |         |
|           | Non specific language notification   | Rel-4   | 1.2              | C174           | C174                            | E.1/70                                    |         |
| <b>30</b> | <b>LAUNCH BROWSER 27.22.4.26</b>   | Rel-4   | N/A              |                |                                 | E.1/71                                    |         |
| <b>31</b> | <b>OPEN CHANNEL 27.22.4.27</b>   |         |                  |                |                                 |   |         |
|           | Void   | Void    |                  |                |                                 |   |         |
|           | Open Channel (related to GPRS)   | Rel-4   | N/A              |                |                                 | E.1/89 AND E.1/98                         |         |
|           | Open Channel (default bearer)  | Rel-4   | N/A              |                |                                 | E.1/89 AND E.1/98                         |         |
|           | Open Channel (Local Bearer)  | Rel-4   | TBD              |                |                                 | E.1/89 AND E.1/98                         |         |
|           | Open Channel (GPRS, support of Text Attribute)                               | Rel-5   | N/A              |                |                                 | E.1/89 AND E.1/98                         |         |
|           | Open Channel (related to UICC Server Mode)                                   | Rel-7   | 6.1              | C162           | C162                            | E.1/89 AND E.1/131                        |         |
|           | Open Channel, TCP in LISTEN state, command performed with modification       | Rel-7   | 6.2              | C163           | C163                            | E.1/89 AND E.1/131                        |         |
|           | Open Channel (related to Terminal Server Mode), TCP                          | Rel-7   | 7.1              | C164           | C164                            | E.1/89 AND E.1/132                        |         |
|           | Open Channel (related to Terminal Server Mode), UDP                          | Rel-7   | 7.2              | C165           | C165                            | E.1/89 AND E.1/133                        |         |
|           | Open Channel (related to Terminal Server Mode), TCP, confirmation parameters | Rel-10  | 7.3              |                | C176 AND C164 AND C170 AND C171 | E.1/89 AND E.1/132 AND E.1/243            |         |
|           | Open Channel (related to Terminal Server Mode), UDP, confirmation parameters | Rel-10  | 7.4              |                | C176 AND C165 AND C170 AND C171 | E.1/89 AND E.1/133 AND E.1/243            |         |
| <b>32</b> | <b>CLOSE CHANNEL 27.22.4.28</b>  |         |                  |                |                                 |   |         |
|           | Close Channel (related to GPRS)  | Rel-4   | N/A              |                |                                 | E.1/89 AND E.1/90                         |         |
|           | Close Channel (support of Text Attribute)                                    | Rel-5   | N/A              |                |                                 | E.1/89 AND E.1/90                         |         |
|           | Close Channel (related to UICC Server Mode)                                  | Rel-7   | 3.1 to 3.2       | C162           | C162                            | E.1/89 AND E.1/90 AND E.1/131             |         |
|           | Close Channel (related to Terminal Server Mode)                              | Rel-7   | 4.1              | C164           | C164                            | E.1/89 AND E.1/90 AND E.1/132             |         |

| Item | Description  | Release | Test sequence(s) | Rel-9 Terminal         | Rel-10 Terminal        | Terminal Profile   | Support |
|------|--|---------|------------------|------------------------|------------------------|--|---------|
| 33   | <b>RECEIVE DATA</b> 27.22.4.29                                   | Rel-4   | N/A              |                        |                        | E.1/89 AND E.1/91  |         |
| 34   | <b>SEND DATA</b> 27.22.4.30                                      | Rel-4   | N/A              |                        |                        | E.1/89 AND E.1/92  |         |
| 35   | <b>GET CHANNEL STATUS</b> 27.22.4.31                             |         |                  |                        |                        |  |         |
|      | GET CHANNEL STATUS (related to GPRS)                             | Rel-4   | N/A              |                        |                        | E.1/93   |         |
|      | GET CHANNEL STATUS (related to UICC Server Mode)                 | Rel-7   | 2.1 to 2.2       | C162                   | C162                   | E.1/89, E.1/93 AND E.1/131   |         |
| 36   | <b>Void</b>  |         |                  |                        |                        |  |         |
| 37   | <b>Void</b>  |         |                  |                        |                        |  |         |
| 38   | <b>Void</b>  |         |                  |                        |                        |  |         |
| 39   | <b>CALL CONTROL BY NAA</b> 27.22.6                               | Rel-4   | N/A              |                        |                        | 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 |         |
| 40   | <b>EVENT DOWNLOAD</b> 27.22.7                                    |         |                  |                        |                        |  |         |
|      | 27.22.7.1: MT call event   | Rel-4   | N/A              |                        |                        | E.1/34 AND E.1/33  |         |
|      | 27.22.7.2.1: call connected event                                | Rel-4   | N/A              |                        |                        | E.1/35 AND E.1/33  |         |
|      | 27.22.7.2.2: Terminal supporting SET UP CALL                     | Rel-4   | N/A              |                        |                        | E.1/35 AND E.1/29 AND E.1/33   |         |
|      | 27.22.7.3: call disconnected event                               | Rel-4   | N/A              |                        |                        | E.1/36 AND E.1/33  |         |
|      | 27.22.7.4: location status event                                 | Rel-4   | N/A              |                        |                        | E.1/37 AND E.1/33  |         |
|      | 27.22.7.5: user activity event                                   | Rel-4   | 1.1              | C171                   | C171                   | E.1/38 AND E.1/33 AND E1/111   |         |
|      | 27.22.7.6: idle screen available event                           | Rel-4   | 1.1              | C170 And C171          | C170 And C171          | E.1/39 AND E.1/33 AND E1/110 AND E1/111                                |         |
|      | 27.22.7.7.1: Card reader status normal                           | Rel-4   | 1.1              | C109                   | C109                   | E.1/40 AND E.1/33  |         |
|      | 27.22.7.7.2: Detachable card reader                              | Rel-4   | 2.1              | C116                   | C116                   | E.1/40 AND E.1/33  |         |
|      | 27.22.7.8: language selection event                              | Rel-4   | 1.1              | C170 AND C171 AND C174 | C170 AND C171 AND C174 | E.1/41 AND E.1/33 AND E1/110 AND E1/111                                |         |
|      | 27.22.7.9: Browser termination event                             | Rel-4   | N/A              |                        |                        | E.1/42 AND E.1/33  |         |
|      | 27.22.7.10: Data available event (related to GPRS)               | Rel-4   | N/A              |                        |                        | E.1/43 AND E.1/89 AND E.1/33   |         |
|      | 27.22.7.10.2: Data available event (related to UICC server mode) | Rel-7   | 2.1              | C162                   | C162                   | E.1/43 AND E.1/89 AND E.1/33 AND E.1/131                               |         |
|      | 27.22.7.11: Channel status event (related to GPRS)               | Rel-4   | N/A              |                        |                        | E.1/44 AND E.1/89 AND E.1/33   |         |
|      | 27.22.7.11.2: Channel status event (related to UICC server mode) | Rel-7   | 2.1 to 2.2       | C162                   | C162                   | E.1/44 AND E.1/89 AND E.1/33 AND E.1/131                               |         |

| Item      | Description                                  | Release | Test sequence(s) | Rel-9 Terminal | Rel-10 Terminal | Terminal Profile             | Support |
|-----------|--|---------|------------------|----------------|-----------------|------------------------------|---------|
|           | 27.22.7.12: Access Technology change event   | Rel-4   | N/A              |                |                 | E.1/45 AND E.1/33            |         |
|           | 27.22.7.13: Display parameter changed event  | Rel-4   | N/A              |                |                 | E.1/46 AND E.1/33            |         |
|           | 27.22.7.14: Local connection event           | Rel-4   | N/A              |                |                 | E.1/47 AND E.1/33            |         |
|           | 27.22.7.15: Network search mode change event | Rel-6   | N/A              |                |                 | E.1/48 AND E.1/33            |         |
|           | 27.22.7.16: Browsing status event            | Rel-6   | N/A              |                |                 | E.1/193 AND E.1/33           |         |
|           | 27.22.7.17: Frame Information changed event  | Rel-6   | TBD              |                |                 |                              |         |
|           | 27.22.7.18: HCI connectivity event           | REL-7   | 1.1              | C168           | C168            | E.1/198 AND E.1/33           |         |
|           | 27.22.7.19: Contactless state request        | REL-9   | 1.1              | C175 AND C171  | C175 AND C171   | E.1/201 AND E.1/33           |         |
| <b>41</b> | <b>Void</b>                                  |         |                  |                |                 |                              |         |
| <b>42</b> | <b>SERVICE SEARCH</b>                        | Rel-4   | N/A              |                |                 | E.1/94                       |         |
| <b>43</b> | <b>GET SERVICE INFORMATION</b>               | Rel-4   | N/A              |                |                 | E.1/95                       |         |
| <b>44</b> | <b>DECLARE SERVICE</b>                       | Rel-4   | N/A              |                |                 | E.1/96                       |         |
| <b>45</b> | <b>Void</b>                                  |         |                  |                |                 |                              |         |
| <b>46</b> | <b>Void</b>                                  |         |                  |                |                 |                              |         |
| <b>47</b> | <b>Void</b>                                  |         |                  |                |                 |                              |         |
| <b>48</b> | <b>SET FRAMES</b>                            | Rel-6   | TBD              | C133           | C133            | E.1/177                      |         |
| <b>49</b> | <b>GET FRAME STATUS</b>                      | Rel-6   | TBD              | C133           | C133            | E.1/178                      |         |
| <b>50</b> | <b>Handling of command number</b>            |         |                  |                |                 |                              |         |
|           | DISPLAY TEXT normal priority                 | Rel-4   | 1.1              | C170 AND C171  | C170 AND C171   | E.1/17 AND E1/110 AND E1/111 |         |
| <b>51</b> | <b>TERMINAL APPLICATIONS 27.22.10</b>        |         |                  |                |                 |                              |         |
|           | Terminal Applications (one application)      | Rel-7   | 1.1 to 1.2       | C166           | C166            | E.1/235                      |         |
|           | Terminal Applications (several applications) | Rel-7   | 2.1              | C166           | C166            | E.1/235                      |         |
| <b>52</b> | <b>ACTIVATE 27.22.4.32</b>                   | Rel-7   | 1.1              | C167           | C167            | E.1/237                      |         |
| <b>53</b> | <b>CONTACTLESS STATE CHANGED 27.22.4.33</b>  | Rel-9   | 1.1              | C175 AND C170  | C175 AND C170   | E1/241                       |         |

Table B.1c: Applicability of tests (conditions and options list)

|      |                                       |   |
|------|---------------------------------------|---|
| C101 | Void                                  |   |
| C102 | Void                                  |   |
| C103 | Void                                  |   |
| C104 | Void                                  |   |
| C105 | IF A.1/3 AND A.1/41 THEN M ELSE N/A   | -- O_Ucs2_Entry AND O_Ucs2_Entry_Cyrillic |
| C106 | Void                                  |   |
| C107 | IF A.1/5 THEN M ELSE N/A              | -- O_Help                                 |
| C108 | IF A.1/6 THEN (O.1 OR O.2) ELSE N/A   | -- O_Icons                                |
| C109 | IF A.1/7 THEN M ELSE N/A              | -- O_Dual_Slot                            |
| C110 | IF (A.1/9 AND A.1/57) THEN M ELSE N/A | -- O_Run_At AND O_+CGMI                   |
| C111 | Void                                  |   |
| C112 | IF A.1/11 THEN M ELSE N/A             | -- O_Soft_key                             |
| C113 | Void                                  |   |
| C114 | IF C110 AND C108 THEN M ELSE N/A      | -- O_Run_At AND O_+CGMI AND O_Icons       |
| C115 | Void                                  |   |
| C116 | IF A1/07 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_Disp_Cyrillic   |
| C119 | Void                                  |   |
| C120 | IF A.1/20 THEN M ELSE N/A             | -- O_D_NoResp                             |
| C121 | Void                                  |   |
| C122 | Void                                  |   |
| C123 | Void                                  |   |
| C124 | Void                                  |   |
| C125 | Void                                  |   |
| 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 | Void                                  |   |
| C135 | IF C110 AND C133 THEN M ELSE N/A      | -- O_Run-At AND O_+CGMI AND O_Frames      |
| C136 | Void                                  |   |
| C137 | Void                                  |   |
| C138 | IF A.1/39 THEN M ELSE N/A             | -- O_Tones                                |
| C139 | IF A.1/35 THEN M ELSE N/A             | -- O_Batt                                 |
| C140 | Void                                  |   |
| C141 | Void                                  |   |
| 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.1/44 THEN M ELSE N/A   | -- O_TAT_AL  |
| C147 | IF A.1/45 THEN M ELSE N/A   | -- O_TAT_AC  |
| C148 | IF A.1/46 THEN M ELSE N/A   | -- O_TAT_AR  |
| C149 | IF A.1/47 THEN M ELSE N/A   | -- O_TAT_FSN   |
| C150 | IF A.1/48 THEN M ELSE N/A   | -- O_TAT_FSL   |
| C151 | IF A.1/49 THEN M ELSE N/A   | -- O_TAT_FSS   |
| C152 | IF A.1/50 THEN M ELSE N/A   | -- O_TAT_SN  |
| C153 | IF A.1/51 THEN M ELSE N/A   | -- O_TAT_SB  |
| C154 | IF A.1/52 THEN M ELSE N/A   | -- O_TAT_SI  |
| C155 | IF A.1/53 THEN M ELSE N/A   | -- O_TAT_SU  |
| C156 | IF A.1/54 THEN M ELSE N/A   | -- O_TAT_SS  |
| C157 | IF A.1/55 THEN M ELSE N/A   | -- O_TAT_STFC  |
| C158 | IF A.1/56 THEN M ELSE N/A   | -- O_TAT_STBC  |
| C159 | IF C110 AND C118 THEN M ELSE N/A  | -- O_Run_At AND O_+CGMI AND O_Ucs2_Disp AND O_Ucs2_Disp_Cyrillic |
| C160 | IF C110 AND C143 THEN M ELSE N/A  | -- O_Run_At AND O_+CGMI AND O_Ucs2_Disp AND O_Ucs2_Disp_Chinese  |
| C161 | IF C110 AND C145 THEN M ELSE N/A  | -- O_Run_At AND O_+CGMI AND O_Ucs2_Disp AND O_Ucs2_Disp_Katakana |
| C162 | IF A.1/58 THEN M ELSE N/A   | -- O_TCP_UICC_ServerMode   |
| C163 | IF A.1/58 AND A.1/60 THEN M ELSE N/A  | -- O_TCP_UICC_ServerMode AND O_BUFFER_SIZE                       |
| C164 | IF A.1/61 THEN M ELSE N/A   | -- O_TCP_Terminal_ServerMode                                     |
| C165 | IF A.1/62 THEN M ELSE N/A   | -- O_UDP_Terminal_ServerMode                                     |
| C166 | IF A.1/63 THEN M ELSE N/A   | -- O_Terminal_Applications                                       |
| C167 | IF A.1/64 THEN M ELSE N/A   | -- O_Activate  |
| C168 | IF A.1/65 THEN M ELSE N/A   | -- O_HCI_Connectivity_Event                                      |
| C169 | IF A.1/66 THEN M ELSE N/A   | -- O_Broadcast_Network   |
| C170 | IF A.1/67 THEN M ELSE N/A   | -- O_No_Type_ND  |
| C171 | IF A.1/68 THEN M ELSE N/A   | -- O_No_Type_NK  |
| C172 | IF A.1/69 THEN M ELSE N/A   | -- O_No_Type_NA  |
| C173 | IF A.1/70 THEN M ELSE N/A   | -- O_No_Type_NS  |
| C174 | IF A.1/71 THEN M ELSE N/A   | -- O_No_Type_NL  |
| C175 | IF A.1/72 THEN M ELSE N/A   | -- O_CL_State_CR   |
| C176 | IF A.1/73 THEN M ELSE N/A   | -- O_Terminal_ServerMode_Confirm_Param                           |
| O.1  | IF (the Terminal supports icons as defined in record 1 of EF <sub>(IMG)</sub> , tests x.1A M ELSE tests x.1B M (where x is the expected sequence number value). |  |
| O.2  | IF the Terminal supports icons as defined in record 2 of EF <sub>(IMG)</sub> , tests x.2A M ELSE x.2B M (where x is the expected sequence number value).        |  |
| O.3  | Void.   |  |

## 3.5 Conventions for mathematical notations

The conventions for mathematical notations specified below apply.

### 3.5.1 Mathematical signs

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

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

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

The sign "greater than or equal to" is expressed by " $\geq$ ".

The sign "less than or equal to" is expressed by " $\leq$ ".

## 3.6 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI TS 102 223 [1], ETSI TS 127 007 [6], ETSI TS 101 267 [11] and the following apply:

|       |  |
|-------|--|
| CLA   | CLAss                                  |
| CLF   | ContactLess Frontend                   |
| CLI   | Calling Line Identifier                |
| CSG   | Closed Subscriber Group                |
| DF    | Dedicated File                         |
| HCI   | Host Controller Interface              |
| HSDPA | High Speed Downlink Packet Access      |
| ICCID | Integrated Circuit Card IDentification |
| INS   | INStruction                            |
| LOCI  | LOCation Information                   |
| MF    | Master File                            |
| NA    | No Audio                               |
| ND    | No Display                             |
| NK    | No Keypad                              |
| NL    | No support for multiple Languages      |
| NS    | No Speech capability                   |
| PL    | Preferred Languages                    |
| PLMN  | Public Land Mobile Network             |
| RF    | Radio Frequency                        |
| RP    | Radio Path                             |
| SIM   | Subscriber Identity Module             |
| SM    | ShortMessage                           |
| SN    | Short Message                          |
| SWP   | Single Wire Protocol                   |
| TA    | Terminal Adaptor                       |
| TBD   | To Be Defined                          |
| TE    | Terminal Equipment                     |
| TR    | TERMINAL RESPONSE                      |
| USB   | Universal Serial Bus                   |
| WLAN  | Wireless local Area Network            |

---

## 4 Test equipment

The test equipment depends on the NAA of the test environment.

## 5 Testing methodology in general

### 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 Terminal.

### 5.2 Test interfaces and facilities

The UICC interface provides the main test interfaces for the purpose of performing conformance tests.

The tests which require a network simulator shall not be carried out in this present document as the tests are intended to be independent of the NAA.

### 5.3 Information to be provided by the apparatus supplier

The information to be provided by the apparatus supplier specified in this present document shall apply.

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

**Table A.2: Terminal's default configuration**

| Item  | Description   | Value | Status |
|---|---|-------|--------|
| 1   | DISPLAY TEXT No Response from user timeout interval                                     |       | C      |
| 2   | GET INKEY No Response from user timeout interval  |       | C      |
| 3   | GET INPUT No Response from user timeout interval  |       | C      |
| 4   | SELECT ITEM No Response from user timeout interval                                      |       | C      |
| 5   | DISPLAY TEXT Text Attribute Alignment (Left or Center or Right)                         |       | C      |
| 6   | GET INKEY Text Attribute Alignment (Left or Center or Right)                            |       | C      |
| 7   | GET INPUT Text Attribute Alignment (Left or Center or Right)                            |       | C      |
| 8   | PLAY TONE Text Attribute Alignment (Left or Center or Right)                            |       | C      |
| 9   | SET UP MENU Text Attribute Alignment (Left or Center or Right)                          |       | C      |
| 10  | SELECT ITEM Text Attribute Alignment (Left or Center or Right)                          |       | C      |
| 11  | SEND SHORT MESSAGE Text Attribute Alignment (Left or Center or Right)                   |       | C      |
| 12  | Void  |       |        |
| 13  | Void  |       |        |
| 14  | SET UP CALL Text Attribute Alignment (Left or Center or Right)                          |       | C      |
| 15  | SET UP IDLE MODE TEXT Text Attribute Alignment (Left or Center or Right)                |       | C      |
| 16  | RUN AT COMMAND Text Attribute Alignment (Left or Center or Right)                       |       | C      |
| 17  | SEND DTMF Text Attribute Alignment (Left or Center or Right)                            |       | C      |
| 18  | LAUNCH BROWSER Text Attribute Alignment (Left or Center or Right)                       |       | C      |
| 19  | OPEN CHANNEL Text Attribute Alignment (Left or Center or Right)                         |       | C      |
| 20  | CLOSE CHANNEL Text Attribute Alignment (Left or Center or Right)                        |       | C      |
| 21  | RECEIVE DATA Text Attribute Alignment (Left or Center or Right)                         |       | C      |
| 22  | SEND DATA Text Attribute Alignment (Left or Center or Right)                            |       | C      |
| 23  | IMEI  |       | C      |
| 24  | IMEISV  |       | C      |
| 25  | ESN   |       | C      |
| 26  | Additional Card Reader ID   |       | C      |
| 27  | Channel ID  |       | C      |
| 28  | Manufacturer identification as implemented according to ETSI TS 127 007 [6], clause 5.1 |       | C      |
| 29  | Preferred buffer size supported by the terminal for Open Channel command                |       | C      |
| NOTE: Conditional values shall be provided if the corresponding option is supported in the table A.1. |   |       |        |



---

## 6 Void

## 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 (ETSI ETR 028 [i.1], 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 RESPONSE 1.3.1 |

PROACTIVE COMMAND 1.3.1

TERMINAL RESPONSE 1.3.1

**27.22.X.X.1.5 Test requirement**

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

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

**27.22.X.X. 2.1 Definition and applicability**

**27.22.X.X. 2.2 Conformance requirement**

**27.22.X.X. 2.3 Test purpose**

**27.22.X.X. 2.4 Method of test**

**27.22.X.X. 2.4.1.1 Initial conditions**

**27.22.X.X. 2.4.1.2 Procedure**

- Sequence 2.1

|                                    |
|------------------------------------|
| Command 2.1.1                      |
| TERMINAL RESPONSE 2.1.1A or 2.1.1B |
| Command 2.1.2                      |
| TERMINAL RESPONSE 2.1.2            |

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 is not specified in this present document as this procedure is NAA dependent.

---

## 10 to 26 Void

---

## 27 Testing of the UICC/Terminal interface

This clause is to confirm the correct interpretation of the Card Application Toolkit commands and the correct operation of the Toolkit facilities.

The definitions, declarations and default values specified in this present document shall apply.

A UICC Simulator with the appropriate Card Application Toolkit functionality will be required. The UICC 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 ETSI TS 102 223 [1]. This means that in cases where it is up to the Terminal to decide if this flag is used or not, the corresponding Tag coding in the TERMINAL RESPONSES and ENVELOPES in the present document represents only one of the two valid possibilities.

### 27.1 to 27.21 Void

### 27.22 Card Application Toolkit

#### 27.22.1a General Test purpose

Testing of functional conformance to Card Application Toolkit commands includes proactive UICC commands.

All facilities independent from a specific NAA 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 Terminal to optionally display on the screen along with any other indications, at the same time as the Terminal performs the UICC command.

NOTE: The sequence of Card 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.

## 27.22.1b Definition of default values for Card 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 UICC as follows:

NOTE 1: Bx represents byte x of the coding.

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

### EF<sub>ICCID</sub> (ICCID, 2FE2)

Logically:

Identification number: 8949000202140000045

Coding:

|         |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|
| Coding: | 98 | 94 | 00 | 20 | 20 | 41 | 00 | 00 | 40 | F5 |
|---------|----|----|----|----|----|----|----|----|----|----|

For the display of icon:

- Under the DF Telecom: creation of DF Graphics (5F50);
- Under the DF 5F50: creation of EF<sub>Img</sub> (4F20, linear fixed file) and EF<sub>Instance</sub> (4FXX, transparent file).

### EF<sub>Img</sub> (Image, 4F20)

Record 1:

Logically:

Number of Actual Images Instances: 01  
 Image Instance Width: 08  
 Image Instance Height: 08  
 Image Coding Scheme: 11 (basic image)  
 Image Instance File Identifier: 4F 04 (EF<sub>Instance</sub>)  
 Offset into Image Instance File: 00 00  
 Length of Image Instance Data: 00 0A

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 01 | 08 | 08 | 11 | 4F | 04 | 00 | 00 | 00 | 0A | FF | FF |
|         | FF | FF | FF | FF | FF | FF | FF | FF |    |    |    |    |

Record 2:

Logically:

Number of Actual Images Instances: 01  
 Image Instance Width: 08  
 Image Instance Height: 08  
 Image Coding Scheme: 21 (colour image)  
 Image Instance File Identifier: 4F 02(EF<sub>Instance</sub>)  
 Offset into Image Instance File: 00 00  
 Length of Image Instance Data: 00 16

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 01 | 08 | 08 | 21 | 4F | 02 | 00 | 00 | 00 | 16 | FF | FF |
|         | FF | FF | FF | FF | FF | FF | FF | FF |    |    |    |    |

Record 3:

Logically:

Number of Actual Images Instances: 01  
 Image Instance Width: 18  
 Image Instance Height: 10  
 Image Coding Scheme: 11 (basic image)  
 Image Instance File Identifier: 4F 03 (EF<sub>Instance</sub>)  
 Offset into Image Instance File: 00 00  
 Length of Image Instance Data: 00 32

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 01 | 18 | 10 | 11 | 4F | 03 | 00 | 00 | 00 | 32 | FF | FF |
|         | FF | FF | FF | FF | FF | FF | FF | FF |    |    |    |    |

Record 4:

Logically:

Number of Actual Images Instances: 01  
 Image Instance Width: 2E  
 Image Instance Height: 28  
 Image Coding Scheme: 11 (basic image)  
 Image Instance File Identifier: 4F 01 (EF<sub>Instance</sub>)  
 Offset into Image Instance File: 00 00  
 Length of Image Instance Data: 00 E8

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 01 | 2E | 28 | 11 | 4F | 01 | 00 | 00 | 00 | E8 | FF | FF |
|         | FF | FF | FF | FF | FF | FF | FF | FF |    |    |    |    |

Record 5:

Logically:

Number of Actual Images Instances: 01  
 Image Instance Width: 05  
 Image Instance Height: 05  
 Image Coding Scheme: 11 (basic image)  
 Image Instance File Identifier: 4F 05 (EF<sub>Instance</sub>)  
 Offset into Image Instance File: 00 00  
 Length of Image Instance Data: 00 08

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 01 | 05 | 05 | 11 | 4F | 05 | 00 | 00 | 00 | 08 | FF | FF |
|         | FF | FF | FF | FF | FF | FF | FF | FF |    |    |    |    |

**EF<sub>Instance</sub> (4F01)**

Logically:

Image Instance Data: see below

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 2E | 28 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 01 | FF | 80 |
|         | 00 | 00 | 00 | 0F | FF | 00 | 00 | 00 | 00 | 77 | FE | 00 |
|         | 00 | 00 | 01 | BF | F8 | 00 | 00 | 00 | 06 | FF | E0 | 00 |
|         | 00 | 00 | 1A | 03 | 80 | 00 | 00 | 00 | 6B | F6 | BC | 00 |
|         | 00 | 01 | AF | D8 | 38 | 00 | 00 | 06 | BF | 60 | 20 | 00 |
|         | 00 | 1A | FD | 80 | 40 | 00 | 00 | 6B | F6 | 00 | 80 | 00 |
|         | 01 | A0 | 1F | 02 | 00 | 00 | 06 | FF | E4 | 04 | 00 | 00 |
|         | 1B | FF | 90 | 10 | 00 | 00 | 6D | EE | 40 | 40 | 00 | 01 |
|         | BF | F9 | 01 | 00 | 00 | 6F | FF | E4 | 04 | 00 | 00 | 1B |
|         | FF | 90 | 10 | 00 | 00 | 6F | FE | 40 | 40 | 00 | 01 | BF |
|         | F9 | 01 | 00 | 00 | 06 | FF | E6 | 04 | 00 | 00 | 1B | FF |
|         | 88 | 10 | 00 | 00 | 6F | FE | 20 | 40 | 00 | 01 | BF | F8 |
|         | 66 | 00 | 00 | 06 | FF | E0 | F0 | 00 | 00 | 1B | FF | 80 |
|         | 80 | 00 | 00 | 7F | FE | 00 | 00 | 00 | 03 | 00 | 0C | 00 |
|         | 00 | 00 | 1F | FF | F8 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
|         | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
|         | 1C | 21 | 08 | 44 | EE | 00 | 48 | C4 | 31 | 92 | 20 | 01 |
|         | 25 | 11 | 45 | 50 | 80 | 07 | 14 | 45 | 15 | 43 | 80 | 12 |
|         | 71 | 1C | 4D | 08 | 00 | 4A | 24 | 89 | 32 | 20 | 01 | C8 |
|         | 9E | 24 | 4E | E0 |    |    |    |    |    |    |    |    |

**EF<sub>Instance</sub> (4F02)**

Logically:

Image Instance Data:

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

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 08 | 08 | 02 | 03 | 00 | 16 | AA | AA | 80 | 02 | 85 | 42 |
|         | 81 | 42 | 81 | 42 | 81 | 52 | 80 | 02 | AA | AA | FF | 00 |
|         | 00 | 00 | FF | 00 | 00 | 00 | FF |    |    |    |    |    |

**EF<sub>Instance</sub> (4F03)**

Logically:

Image Instance Data: see below

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 18 | 10 | FF | FF | FF | 80 | 00 | 01 | 80 | 00 | 01 | 80 |
|         | 00 | 01 | 8F | 3C | F1 | 89 | 20 | 81 | 89 | 20 | 81 | 89 |
|         | 20 | F1 | 89 | 20 | 11 | 89 | 20 | 11 | 89 | 20 | 11 | 8F |
|         | 3C | F1 | 80 | 00 | 01 | 80 | 00 | 01 | 80 | 00 | 01 | FF |
|         | FF | FF |    |    |    |    |    |    |    |    |    |    |

**EF<sub>Instance</sub> (4F04)**

Logically:

Image Instance Data: see below

Coding:

|         |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|
| Coding: | 08 | 08 | FF | 03 | A5 | 99 | 99 | A5 | C3 | FF |
|---------|----|----|----|----|----|----|----|----|----|----|

**EF<sub>Instance</sub> (4F05)**

Logically:

Image Instance Data: see below

Coding:

|         |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|
| Coding: | 05 | 05 | FE | EB | BF | FF | FF | FF |
|---------|----|----|----|----|----|----|----|----|

## 27.22.1 Initialization of Card Application Toolkit Enabled UICC by Card Application Toolkit Enabled Terminal (Profile Download)

### 27.22.1.1 Definition and applicability

See clause 3.2.2.

### 27.22.1.2 Conformance requirement

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

- ETSI TS 102 223 [1], clause 5.2.

### 27.22.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC 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 → Terminal | Power on Terminal            | UICC Activation.  |
| 2    | Terminal → UICC | Select EF PL                 |                   |
| 3    | UICC → Terminal | Read EF PL                   |                   |
| 4    | Terminal → UICC | TERMINAL PROFILE 1.1         | PROFILE DOWNLOAD. |
| 5    | UICC → Terminal | NORMAL ENDING OF COMMAND 1.1 |                   |
| 6    | Terminal → UICC | Select NAA Application       |                   |

#### TERMINAL PROFILE: 1.1

Logically:

Coding:

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

|          |    |    |     |
|----------|----|----|-----|
| DATA IN: | YY | ZZ | ... |
|----------|----|----|-----|

With XX representing the length of the following DATA IN depending on the Card Toolkit commands supported by the Terminal, and with YY, ZZ, ... representing here the bytes of the TERMINAL PROFILE data, as specified in ETSI TS 102 223 [1], clause 5.2.

#### **NORMAL ENDING OF COMMAND: 1.1**

Logically:

Coding:

|        |        |
|--------|--------|
| SW1=90 | SW2=00 |
|--------|--------|

#### **27.22.1.5 Test requirement**

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

- ETSI TS 102 223 [1], 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 Card Application Toolkit facilities are supported by the Terminal, to determine which subsequent tests are required.

#### **27.22.2.4 Method of test**

##### **27.22.2.4.1 Initial conditions**

The Terminal is connected to the UICC Simulator. All elementary files are coded as the default Card Application Toolkit personalization.

##### **27.22.2.4.2 Procedure**

- a) The Terminal is powered on.
- b) After the Terminal sends the TERMINAL PROFILE command to the UICC Simulator, the UICC Simulator shall record the content of the TERMINAL PROFILE.
- c) The UICC 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 Terminal sending the TERMINAL PROFILE command to the UICC Simulator.

#### **27.22.2.5 Test requirement**

- 1) After step a) the Terminal shall send the TERMINAL PROFILE command to the UICC Simulator with bit 1 of the first byte set to 1 (facility supported by Terminal).
- 2) In table E.1 for the corresponding Terminal Card Toolkit Release and Options, The TERMINAL PROFILE information "support" recorded shall be in accordance with the "Status" column. Support of features defined only in releases later than present 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 Card Application Toolkit command from the UICC the Terminal shall perform the FETCH command to retrieve the proactive UICC command. The result of the executed command shall be transmitted from the Terminal to the UICC within a TERMINAL RESPONSE command.

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

- ETSI TS 102 223 [1], clause 6.3.

### 27.22.3.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

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

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

The UICC Simulator is configured to monitor the UICC - Terminal interface.

#### 27.22.3.4.2 Procedure

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

### 27.22.3.5 Test requirement

- 1) After step b) the Terminal shall send the FETCH command to the UICC.
- 2) After step c) the Terminal shall send the TERMINAL REPOSENSE 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 Terminal shall support the DISPLAY TEXT command as defined in the following technical specifications:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.31.

27.22.4.1.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.1.1         | Normal priority, wait for user to clear message, unpacked, 8 bit data. |
| 4    | Terminal → USER | Display "Toolkit Test 1"                         |  |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.1.1         | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                  |  |

PROACTIVE COMMAND: DISPLAY TEXT 1.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: 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 1.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | USER → Terminal | Set the Terminal screen to a display mode other than the normal stand-by display | The Terminal will be set to a mode so that normal priority text commands shall be rejected. |
| 2    | UICC → Terminal | PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.2.1                                    |   |
| 3    | Terminal → UICC | FETCH  |   |
| 4    | UICC → Terminal | PROACTIVE COMMAND: DISPLAY TEXT 1.2.1  | Normal priority.  |
| 5    | Terminal → USER | No change of the currently being used display.                                   |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: DISPLAY TEXT 1.2.1  | Terminal currently unable to process command - screen busy.                                 |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |   |

PROACTIVE COMMAND: DISPLAY TEXT 1.2.1: same as 1.1.1

TERMINAL RESPONSE: DISPLAY TEXT 1.2.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Terminal currently unable to process command  
 Additional information: Screen is busy

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 02 | 20 |
|          | 01 |    |    |    |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.3.1        | The Terminal screen is in a mode other than the normal stand by display. |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.3.1                | High priority.   |
| 4    | Terminal → USER | Display "Toolkit Test 2"                                |  |
| 5    | USER → Terminal | Clear Message   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.3.1                |  |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                         |  |
| 8    | USER → Terminal | Set the Terminal screen back to normal stand-by display |  |

**PROACTIVE COMMAND: DISPLAY TEXT 1.3.1**

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: high 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 2"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 21 | 81 | 82 | 02 | 81 | 02 | 8D |
|          | 0F | 04 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 54 | 65 |
|          | 73 | 74 | 20 | 32 |    |    |    |    |    |    |    |    |

**TERMINAL RESPONSE: DISPLAY TEXT 1.3.1**

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: high priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action                                | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.4.1 |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: DISPLAY TEXT 1.4.1         | Packed, SMS default alphabet.   |
| 4    | Terminal → USER | Display "Toolkit Test 3"                      |                                 |
| 5    | USER → Terminal | Clear Message                                 |                                 |
| 6    | Terminal → UICC | TERMINAL RESPONSE: DISPLAY TEXT 1.4.1         | Command performed successfully. |

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: packed, SMS default alphabet  
 Text: "Toolkit Test 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0E | 00 | D4 | F7 | 9B | BD | 4E | D3 | 41 | D4 | F2 | 9C |
|          | 0E | 9A | 01 |    |    |    |    |    |    |    |    |    |

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: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.5.1                       |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: DISPLAY TEXT 1.5.1                               | Clear message after a delay.    |
| 4    | Terminal → USER | Display "Toolkit Test 4" and clear this message after a short delay |                                 |
| 5    | Terminal → UICC | TERMINAL RESPONSE: DISPLAY TEXT 1.5.1                               | Command performed successfully. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |                                 |

**PROACTIVE COMMAND: DISPLAY TEXT 1.5.1**

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, clear message after a delay

Device identities

Source device: UICC  
 Destination device: Display

Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 21 | 00 | 82 | 02 | 81 | 02 | 8D |
|          | 0F | 04 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 54 | 65 |
|          | 73 | 74 | 20 | 34 |    |    |    |    |    |    |    |    |

**TERMINAL RESPONSE: DISPLAY TEXT 1.5.1**

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, clear message after a delay

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.6.1   |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.6.1   | Text string with 160 bytes - maximum for non extension text. |
| 4    | Terminal → USER | Display "This command instructs the ME to display a text message. It allows the SIM to define the priority of that message, and the text string format. Two types of prio" |  |
| 5    | USER → Terminal | Clear Message  |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.6.1   | Command performed successfully.                              |

**PROACTIVE COMMAND: DISPLAY TEXT 1.6.1**

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: "This command instructs the ME to display a text message. It allows the SIM to define the priority of that message, and the text string format. Two types of prio"

Coding:

| BER-TLV: | D0 | 81 | AD | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 8D | 81 | A1 | 04 | 54 | 68 | 69 | 73 | 20 | 63 | 6F | 6D |
|          | 6D | 61 | 6E | 64 | 20 | 69 | 6E | 73 | 74 | 72 | 75 | 63 |
|          | 74 | 73 | 20 | 74 | 68 | 65 | 20 | 4D | 45 | 20 | 74 | 6F |
|          | 20 | 64 | 69 | 73 | 70 | 6C | 61 | 79 | 20 | 61 | 20 | 74 |
|          | 65 | 78 | 74 | 20 | 6D | 65 | 73 | 73 | 61 | 67 | 65 | 2E |
|          | 20 | 49 | 74 | 20 | 61 | 6C | 6C | 6F | 77 | 73 | 20 | 74 |
|          | 68 | 65 | 20 | 53 | 49 | 4D | 20 | 74 | 6F | 20 | 64 | 65 |
|          | 66 | 69 | 6E | 65 | 20 | 74 | 68 | 65 | 20 | 70 | 72 | 69 |
|          | 6F | 72 | 69 | 74 | 79 | 20 | 6F | 66 | 20 | 74 | 68 | 61 |
|          | 74 | 20 | 6D | 65 | 73 | 73 | 61 | 67 | 65 | 2C | 20 | 61 |
|          | 6E | 64 | 20 | 74 | 68 | 65 | 20 | 74 | 65 | 78 | 74 | 20 |
|          | 73 | 74 | 72 | 69 | 6E | 67 | 20 | 66 | 6F | 72 | 6D | 61 |
|          | 74 | 2E | 20 | 54 | 77 | 6F | 20 | 74 | 79 | 70 | 65 | 73 |
|          | 20 | 6F | 66 | 20 | 70 | 72 | 69 | 6F |    |    |    |    |

**TERMINAL RESPONSE: DISPLAY TEXT 1.6.1**

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

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

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.7.1                                  |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.7.1  |   |
| 4    | Terminal → USER | Display "<GO-BACKWARDS>"  |   |
| 5    | USER → Terminal | Indicate the need to go backwards<br>in the proactive UICC application<br>session |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.7.1  | Backward move in the proactive UICC<br>session requested by the user. |

## PROACTIVE COMMAND: DISPLAY TEXT 1.7.1

## 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: "<GO-BACKWARDS>"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0F | 04 | 3C | 47 | 4F | 2D | 42 | 41 | 43 | 4B | 57 | 41 |
|          | 52 | 44 | 53 | 3E |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 1.7.1

## Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC



## Result

General Result: Backward move in the proactive UICC session requested by the user

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.8.1                   |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.8.1                           |   |
| 4    | Terminal → USER | Display "<ABORT>"  |   |
| 5    | USER → Terminal | Indicate the need to end the<br>proactive UICC application session |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.8.1                           | Proactive UICC session terminated by the<br>user. |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                                    |   |

## PROACTIVE COMMAND: DISPLAY TEXT 1.8.1

## Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: UICC  
 Destination device: Display

## Text string

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

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 08 | 04 | 3C | 41 | 42 | 4F | 52 | 54 | 3E |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 1.8.1

## Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Proactive UICC session terminated by the user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 10 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

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

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.9.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.9.1         | Including icon identifier, icon shall be displayed together with the alpha text string, but no text string given. |
| 4    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.9.1         | Command data not understood by Terminal (clause 6.5.4).   |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                  |   |

PROACTIVE COMMAND: DISPLAY TEXT 1.9.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: UICC  
 Destination device: Display

Text string

Contents: null data object

Icon Identifier:

Icon qualifier: icon is self-explanatory  
 Icon Identifier: record 1 in EF<sub>(IMG)</sub>

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0F | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 00 | 9E | 02 | 00 | 01 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: DISPLAY TEXT 1.9.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command data not understood by Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 32 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

#### 27.22.4.1.1.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

##### 27.22.4.1.2.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

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

Terminal Manufacturers shall set the "no response from user" period of time as declared in table A.2/1.

The UICC 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)

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 2.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 2.1.1         | Normal priority, wait for user to clear message, unpacked, 8 bit data.         |
| 4    | Terminal → USER | Display "<TIME-OUT>"                             |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 2.1.1         | No response from user within 5 s after the end of that defined period of time. |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                  |  |

#### PROACTIVE COMMAND: DISPLAY TEXT 2.1.1

Logically:

Command details

|                    |   |
|--------------------|---|
| Command number:    | 1   |
| Command type:      | DISPLAY TEXT                                    |
| Command qualifier: | normal priority, wait for user to clear message |

## Device identities

Source device: UICC  
 Destination device: Display

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "<TIME-OUT>"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 16 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0B | 04 | 3C | 54 | 49 | 4D | 45 | 2D | 4F | 55 | 54 | 3E |

## TERMINAL RESPONSE: DISPLAY TEXT 2.1.1

## Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: No response from user

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 12 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## 27.22.4.1.2.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.6.1, 6.8, 6.11, 8.6 and 8.15.

## 27.22.4.1.3.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 3.1.1   |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 3.1.1   | Text string with the maximum of 240 bytes. |
| 4    | Terminal → USER | Display "This command instructs the ME to display a text message, and/or an icon (see 6.5.4). It allows the SIM to define the priority of that message, and the text string format. Two types of priority are defined:- display normal priority text and/" |  |
| 5    | USER → Terminal | Clear Message  |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 3.1.1   | Command performed successfully.            |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |  |

## PROACTIVE COMMAND: DISPLAY TEXT 3.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: UICC  
 Destination device: Display

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "This command instructs the ME to display a text message and/or an icon (see 6.5.4). It allows the SIM to define the priority of that message, and the text string format. Two types of priority are defined:- display normal priority text and/"

Coding:

| BER-TLV: | D0 | 81 | FD | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 8D | 81 | F1 | 04 | 54 | 68 | 69 | 73 | 20 | 63 | 6F | 6D |
|          | 6D | 61 | 6E | 64 | 20 | 69 | 6E | 73 | 74 | 72 | 75 | 63 |
|          | 74 | 73 | 20 | 74 | 68 | 65 | 20 | 4D | 45 | 20 | 74 | 6F |
|          | 20 | 64 | 69 | 73 | 70 | 6C | 61 | 79 | 20 | 61 | 20 | 74 |
|          | 65 | 78 | 74 | 20 | 6D | 65 | 73 | 73 | 61 | 67 | 65 | 2C |
|          | 20 | 61 | 6E | 64 | 2F | 6F | 72 | 20 | 61 | 6E | 20 | 69 |
|          | 63 | 6F | 6E | 20 | 28 | 73 | 65 | 65 | 20 | 36 | 2E | 35 |
|          | 2E | 34 | 29 | 2E | 20 | 49 | 74 | 20 | 61 | 6C | 6C | 6F |
|          | 77 | 73 | 20 | 74 | 68 | 65 | 20 | 53 | 49 | 4D | 20 | 74 |
|          | 6F | 20 | 64 | 65 | 66 | 69 | 6E | 65 | 20 | 74 | 68 | 65 |
|          | 20 | 70 | 72 | 69 | 6F | 72 | 69 | 74 | 79 | 20 | 6F | 66 |
|          | 20 | 74 | 68 | 61 | 74 | 20 | 6D | 65 | 73 | 73 | 61 | 67 |
|          | 65 | 2C | 20 | 61 | 6E | 64 | 20 | 74 | 68 | 65 | 20 | 74 |
|          | 65 | 78 | 74 | 20 | 73 | 74 | 72 | 69 | 6E | 67 | 20 | 66 |
|          | 6F | 72 | 6D | 61 | 74 | 2E | 20 | 54 | 77 | 6F | 20 | 74 |
|          | 79 | 70 | 65 | 73 | 20 | 6F | 66 | 20 | 70 | 72 | 69 | 6F |
|          | 72 | 69 | 74 | 79 | 20 | 61 | 72 | 65 | 20 | 64 | 65 | 66 |
|          | 69 | 6E | 65 | 64 | 3A | 2D | 20 | 64 | 69 | 73 | 70 | 6C |

|    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 61 | 79 | 20 | 6E | 6F | 72 | 6D | 61 | 6C | 20 | 70 | 72 |
| 69 | 6F | 72 | 69 | 74 | 79 | 20 | 74 | 65 | 78 | 74 | 20 |
| 61 | 6E | 64 | 2F |    |    |    |    |    |    |    |    |

#### TERMINAL RESPONSE: DISPLAY TEXT 3.1.1

Logically:

##### Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

##### Device identities

Source device: Terminal  
 Destination device: UICC

##### Result

General Result: Command performed successfully

Coding:

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

#### 27.22.4.1.3.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.6.1, 6.8, 6.11, 8.6, 8.15 and 8.15.

##### 27.22.4.1.4.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 4.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 4.1.1         | Normal priority, wait for user to clear message, unpacked, 8 bit data.                         |
| 4    | Terminal → USER | Display "Toolkit Test 1"                         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 4.1.1         | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                  |  |
| 8    | Terminal → USER | Display of "Toolkit Test 1" shall sustain        | Text shall sustain until - a subsequent proactive command is received containing display data. |

PROACTIVE COMMAND: DISPLAY TEXT 4.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: UICC  
 Destination device: Display

Text String

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

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 | 31 | AB | 00 |    |    |    |    |    |    |

TERMINAL RESPONSE: DISPLAY TEXT 4.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 4.2.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 4.2.1         | Clear message after a delay.                                |
| 4    | Terminal → USER | Display "Toolkit Test 2"                         |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 4.2.1         | Command performed successfully.                             |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                  |   |
| 7    | Terminal → USER | Display "Toolkit Test 2"                         | Text shall sustain until - the expiration of a short delay. |

**PROACTIVE COMMAND: DISPLAY TEXT 4.2.1**

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, clear message after a delay

Device identities

Source device: UICC  
 Destination device: Display

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Toolkit Test 2"

Immediate Response

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 00 | 82 | 02 | 81 | 02 | 8D |
|          | 0F | 04 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 54 | 65 |
|          | 73 | 74 | 20 | 32 | AB | 00 |    |    |    |    |    |    |

**TERMINAL RESPONSE: DISPLAY TEXT 4.2.1**

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, clear message after a delay

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully



Coding:

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

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

| Step | Direction       | Message/Action                                   | Comments                                      |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 4.3.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 4.3.1         | Wait for user to clear message.               |
| 4    | Terminal → USER | Display "Toolkit Test 3"                         |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 4.3.1         | Command performed successfully.               |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                  |   |
| 7    | Terminal → USER | Display of "Toolkit Test 3"                      | Text shall sustain until - a user MMI action. |
| 8    | USER → Terminal | Clear message                                    |   |

**PROACTIVE COMMAND: DISPLAY TEXT 4.3.1**

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 3"

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 | 33 | AB | 00 |    |    |    |    |    |    |

**TERMINAL RESPONSE: DISPLAY TEXT 4.3.1**

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

#### 27.22.4.1.4.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 4.1 to 4.3.

#### 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 Terminal shall support the DISPLAY TEXT command as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.31.

##### 27.22.4.1.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal 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)

| Step | Direction       | Message/Action                                   | Comments                       |
|------|-----------------|--|--------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 5.1.1 |                                |
| 2    | Terminal → UICC | FETCH  |                                |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 5.1.1         | BASIC-ICON, self-explanatory   |
| 4    | Terminal → USER | Display the BASIC-ICON                           |                                |
| 5    | USER → Terminal | Clear Message                                    |                                |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 5.1.1A        | Command performed successfully |

#### PROACTIVE COMMAND: DISPLAY TEXT 5.1.1

Logically:

##### Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

##### Device identities

Source device: UICC  
 Destination device: Display

##### Text String

Data coding scheme: unpacked, 8 bit data

Text: "Basic Icon"

Icon Identifier:

Icon qualifier: icon is self-explanatory  
 Icon Identifier: record 1 in EF<sub>(IMG)</sub>

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0B | 04 | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E |
|          | 9E | 02 | 00 | 01 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: DISPLAY TEXT 5.1.1A

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 5.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 5.1.1         | BASIC-ICON, self-explanatory.  |
| 4    | Terminal → USER | Display "Basic Icon" without icon                |  |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 5.1.1B        | Command performed successfully, but requested icon could not be displayed. |

TERMINAL RESPONSE: DISPLAY TEXT 5.1.1B

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

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

| Step | Direction       | Message/Action                                   | Comments                        |
|------|-----------------|--|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 5.2.1 |                                 |
| 2    | Terminal → UICC | FETCH  |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 5.2.1         | COLOUR-ICON.                    |
| 4    | Terminal → USER | Display the COLOUR-ICON                          |                                 |
| 5    | USER → Terminal | Clear Message                                    |                                 |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 5.2.1A        | Command performed successfully. |

**PROACTIVE COMMAND: DISPLAY TEXT 5.2.1**

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: "Colour Icon"

## Icon Identifier:

Icon qualifier: icon is self-explanatory  
 Icon Identifier: record 2 in EF<sub>(IMG)</sub>

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0C | 04 | 43 | 6F | 6C | 6F | 75 | 72 | 20 | 49 | 63 | 6F |
|          | 6E | 9E | 02 | 00 | 02 |    |    |    |    |    |    |    |

**TERMINAL RESPONSE: DISPLAY TEXT 5.2.1A**

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 5.2.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 5.2.1         | COLOUR-ICON.   |
| 4    | Terminal → USER | Display "Colour Icon" without the icon           |  |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 5.2.1B        | Command performed successfully, but requested icon could not be displayed. |

TERMINAL RESPONSE: DISPLAY TEXT 5.2.1B

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

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

| Step | Direction       | Message/Action  | Comments                          |
|------|-----------------|---|-----------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 5.3.1      |                                   |
| 2    | Terminal → UICC | FETCH   |                                   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 5.3.1              | BASIC-ICON, not self-explanatory. |
| 4    | Terminal → USER | Display the BASIC-ICON<br>And<br>Display "Basic Icon" |                                   |
| 5    | USER → Terminal | Clear Message   |                                   |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 5.3.1A             | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |                                   |

## PROACTIVE COMMAND: DISPLAY TEXT 5.3.1

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: "Basic Icon"

## Icon Identifier:

Icon qualifier: icon is not self-explanatory  
 Icon Identifier: record 1 in EF<sub>(IMG)</sub>

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0B | 04 | 42 | 61 | 73 | 69 | 63 | 20 | 49 | 63 | 6F | 6E |
|          | 9E | 02 | 01 | 01 |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 5.3.1A

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 5.3.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 5.3.1         | BASIC-ICON, not self-explanatory.  |
| 4    | Terminal → USER | Display "Basic Icon" without the icon            |  |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 5.3.1B        | Command performed successfully, but requested icon could not be displayed. |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                  |  |

## TERMINAL RESPONSE: DISPLAY TEXT 5.3.1B

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.1.5.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 5.1A to 5.3B.

27.22.4.1.6 DISPLAY TEXT (UCS2 display supported 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 Terminal shall support the DISPLAY TEXT command as defined in the following technical specifications:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.31.

The Terminal shall support the UCS2 alphabet for the coding of the Cyrillic alphabet, as defined in the following technical specification: ISO/IEC 10646 [2].

27.22.4.1.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 6.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 6.1.1         | Normal priority, wait for user to clear message, UCS2 coded. |
| 4    | Terminal → USER | Display " ЗДРАВСТВУЙТЕ "                         | "Hello" in Russian.  |
| 5    | USER → Terminal | Clear message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 6.1.1         |  |

## PROACTIVE COMMAND: DISPLAY TEXT 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: UICC  
 Destination device: Display

## Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 19 | 08 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
|          | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
|          | 04 | 15 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.1.6.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31 and 8.43.

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

## 27.22.4.1.7.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 7.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 7.1.1         | Normal priority, wait for user to clear message, clear message after delay of 10 seconds. |
| 4    | Terminal → USER | Display "10 Second" for 10 seconds               |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 7.1.1         | No response from user.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED                     |   |

## PROACTIVE COMMAND: DISPLAY TEXT 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: UICC  
 Destination device: Display

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "10 Second"

## Duration

Time unit: seconds  
Time interval: 10 units

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0A | 04 | 31 | 30 | 20 | 53 | 65 | 63 | 6F | 6E | 64 | 84 |
|          | 02 | 01 | 0A |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 7.1.1

## Logically:

## Command details

Command number: 1  
Command type: DISPLAY TEXT  
Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: No response from user

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 12 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## 27.22.4.1.7.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.1.1         | Normal priority, wait for user to clear message.  |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with left alignment.   |
| 5    | USER → Terminal | Clear Message                                    |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.1.1         |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.1.2 |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.1.2         | Normal priority, wait for user to clear message.  |
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted without left alignment. Remark: If left alignment is the Terminal's default alignment as declared in table A.2/5, no alignment change will take place. |
| 11   | USER → Terminal | Clear Message                                    |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.1.1         |   |

PROACTIVE COMMAND: DISPLAY TEXT 8.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: UICC  
 Destination device: Display

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Text Attribute 1"

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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: DISPLAY TEXT 8.1.2

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: "Text Attribute 2"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 8.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.1.8.1.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.2.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.2.1         | Normal priority, wait for user to clear message.  |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with center alignment.   |
| 5    | USER → Terminal | Clear Message                                    |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.2.1         |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.2.2 |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.2.2         | Normal priority, wait for user to clear message.  |
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted without center alignment. Remark: If center alignment is the Terminal's default alignment as declared in table A.2/5, no alignment change will take place. |
| 11   | USER → Terminal | Clear Message                                    |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.2.1         |   |

## PROACTIVE COMMAND: DISPLAY TEXT 8.2.1

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: "Text Attribute 1"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 01 | B4 |

## PROACTIVE COMMAND: DISPLAY TEXT 8.2.2

## 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: "Text Attribute 2"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 8.2.1

## Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## 27.22.4.1.8.2.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.3.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.3.1         | Normal priority, wait for user to clear message.  |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with right alignment.  |
| 5    | USER → Terminal | Clear Message                                    |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.3.1         |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.3.2 |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.3.2         | Normal priority, wait for user to clear message.  |
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted without right alignment. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/5, no alignment change will take place. |
| 11   | USER → Terminal | Clear Message                                    |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.3.1         |   |

## PROACTIVE COMMAND: DISPLAY TEXT 8.3.1

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: "Text Attribute 1"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 02 | B4 |

## PROACTIVE COMMAND: DISPLAY TEXT 8.3.2

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: "Text Attribute 2"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 8.3.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message



## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## 27.22.4.1.8.3.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.4.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.4.1         | Normal priority, wait for user to clear message. |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with large font size. |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.4.1         |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.4.2 |  |
| 8    | Terminal → UICC | FETCH  |  |

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.4.2         | Normal priority, wait for user to clear message.  |
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted with normal font size. |
| 11   | USER → Terminal | Clear Message                                    |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.4.1         |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.4.1 |   |
| 14   | Terminal → UICC | FETCH  |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.4.1         | Normal priority, wait for user to clear message.  |
| 16   | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with large font size.  |
| 17   | USER → Terminal | Clear Message                                    |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.4.1         |   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.4.3 |   |
| 20   | Terminal → UICC | FETCH  |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.4.3         | Normal priority, wait for user to clear message.  |
| 22   | Terminal → USER | Display "Text Attribute 3"                       | Message shall be formatted with normal font size. |
| 23   | USER → Terminal | Clear Message                                    |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.4.1         |   |

#### PROACTIVE COMMAND: DISPLAY TEXT 8.4.1

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: "Text Attribute 1"

##### 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 04 | B4 |

## TERMINAL RESPONSE: DISPLAY TEXT 8.4.1

## Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## PROACTIVE COMMAND: DISPLAY TEXT 8.4.2

## 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: "Text Attribute 2"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: DISPLAY TEXT 8.4.3

## 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: "Text Attribute 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 33 |    |    |    |    |    |    |

## 27.22.4.1.8.4.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.5.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.5.1         | Normal priority, wait for user to clear message. |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with small font size. |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.5.1         |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.5.2 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.5.2         | Normal priority, wait for user to clear message. |

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted normal font size.      |
| 11   | USER → Terminal | Clear Message                                    |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.5.1         |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.5.1 |   |
| 14   | Terminal → UICC | FETCH  |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.5.1         | Normal priority, wait for user to clear message.  |
| 16   | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with small font size.  |
| 17   | USER → Terminal | Clear Message                                    |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.5.1         |   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.5.3 |   |
| 20   | Terminal → UICC | FETCH  |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.5.3         | Normal priority, wait for user to clear message.  |
| 22   | Terminal → USER | Display "Text Attribute 3"                       | Message shall be formatted with normal font size. |
| 23   | USER → Terminal | Clear Message                                    |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.5.1         |   |

## PROACTIVE COMMAND: DISPLAY TEXT 8.5.1

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: "Text Attribute 1"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 08 | B4 |

## TERMINAL RESPONSE: DISPLAY TEXT 8.5.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## PROACTIVE COMMAND: DISPLAY TEXT 8.5.2

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: "Text Attribute 2"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: DISPLAY TEXT 8.5.3

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: "Text Attribute 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 33 |    |    |    |    |    |    |

#### 27.22.4.1.8.5.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.6.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.6.1         | Normal priority, wait for user to clear message. |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with bold text on.    |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.6.1         |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.6.2 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.6.2         | Normal priority, wait for user to clear message. |
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted with bold text off.   |

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 11   | USER → Terminal | Clear Message                                    |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.6.1         |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.6.1 |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.6.1         | Normal priority, wait for user to clear message. |
| 16   | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with bold text on.    |
| 17   | USER → Terminal | Clear Message                                    |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.6.1         |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.6.3 |  |
| 20   | Terminal → UICC | FETCH  |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.6.3         | Normal priority, wait for user to clear message. |
| 22   | Terminal → USER | Display "Text Attribute 3"                       | Message shall be formatted with bold text off.   |
| 23   | USER → Terminal | Clear Message                                    |  |
| 24   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.6.1         |  |

## PROACTIVE COMMAND: DISPLAY TEXT 8.6.1

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: "Text Attribute 1"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 10 | B4 |

## TERMINAL RESPONSE: DISPLAY TEXT 8.6.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message



## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## PROACTIVE COMMAND: DISPLAY TEXT 8.6.2

## 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: "Text Attribute 2"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: DISPLAY TEXT 8.6.3

## 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: "Text Attribute 3"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 33 |    |    |    |    |    |    |

## 27.22.4.1.8.6.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.7.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.7.1         | Normal priority, wait for user to clear message. |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with italic on.       |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.7.1         |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.7.2 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.7.2         | Normal priority, wait for user to clear message. |
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted with italic off.      |
| 11   | USER → Terminal | Clear Message                                    |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.7.1         |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.7.1 |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.7.1         | Normal priority, wait for user to clear message. |
| 16   | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with italic on.       |
| 17   | USER → Terminal | Clear Message                                    |  |

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 18   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.7.1         |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.7.3 |  |
| 20   | Terminal → UICC | FETCH  |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.7.3         | Normal priority, wait for user to clear message. |
| 22   | Terminal → USER | Display "Text Attribute 3"                       | Message shall be formatted with italic off.      |
| 23   | USER → Terminal | Clear Message                                    |  |
| 24   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.7.1         |  |

## PROACTIVE COMMAND: DISPLAY TEXT 8.7.1

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: "Text Attribute 1"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 20 | B4 |

## TERMINAL RESPONSE: DISPLAY TEXT 8.7.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## PROACTIVE COMMAND: DISPLAY TEXT 8.7.2

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: "Text Attribute 2"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: DISPLAY TEXT 8.7.3

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: "Text Attribute 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 33 |    |    |    |    |    |    |

## 27.22.4.1.8.7.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.8.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.8.1         | Normal priority, wait for user to clear message. |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with underline on.    |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.8.1         |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.8.2 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.8.2         | Normal priority, wait for user to clear message. |
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted with underline off.   |
| 11   | USER → Terminal | Clear Message                                    |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.8.1         |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.8.1 |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.8.1         | Normal priority, wait for user to clear message. |
| 16   | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with underline on.    |
| 17   | USER → Terminal | Clear Message                                    |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.8.1         |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.8.3 |  |
| 20   | Terminal → UICC | FETCH  |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.8.3         | Normal priority, wait for user to clear message. |
| 22   | Terminal → USER | Display "Text Attribute 3"                       | Message shall be formatted with underline off.   |
| 23   | USER → Terminal | Clear Message                                    |  |

| Step | Direction       | Message/Action                           | Comments |
|------|-----------------|--|----------|
| 24   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.8.1 |          |

PROACTIVE COMMAND: DISPLAY TEXT 8.8.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: UICC  
 Destination device: Display

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Text Attribute 1"

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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 40 | B4 |

TERMINAL RESPONSE: DISPLAY TEXT 8.8.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: DISPLAY TEXT 8.8.2

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: "Text Attribute 2"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: DISPLAY TEXT 8.8.3

## 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: "Text Attribute 3"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 33 |    |    |    |    |    |    |

## 27.22.4.1.8.8.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.9.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.9.1         | Normal priority, wait for user to clear message.   |
| 4    | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with strikethrough on.  |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.9.1         |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.9.2 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.9.3         | Normal priority, wait for user to clear message.   |
| 10   | Terminal → USER | Display "Text Attribute 2"                       | Message shall be formatted with strikethrough off. |
| 11   | USER → Terminal | Clear Message                                    |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.9.1         |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.9.1 |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.9.1         | Normal priority, wait for user to clear message.   |
| 16   | Terminal → USER | Display "Text Attribute 1"                       | Message shall be formatted with strikethrough on.  |
| 17   | USER → Terminal | Clear Message                                    |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.9.1         |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.9.3 |  |
| 20   | Terminal → UICC | FETCH  |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.9.3         | Normal priority, wait for user to clear message.   |
| 21   | Terminal → USER | Display "Text Attribute 3"                       | Message shall be formatted with strikethrough off. |
| 22   | USER → Terminal | Clear Message                                    |  |
| 23   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.9.1         |  |



## PROACTIVE COMMAND: DISPLAY TEXT 8.9.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: UICC  
 Destination device: Display

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Text Attribute 1"

## 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 80 | B4 |

## TERMINAL RESPONSE: DISPLAY TEXT 8.9.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## PROACTIVE COMMAND: DISPLAY TEXT 8.9.2

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: "Text Attribute 2"

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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

PROACTIVE COMMAND: DISPLAY TEXT 8.9.3

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: "Text Attribute 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 33 |    |    |    |    |    |    |

27.22.4.1.8.9.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.31, 8.43 and 8.70.

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)

| Step | Direction       | Message/Action                                    | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.10.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.10.1         | Normal priority, wait for user to clear message.  |
| 4    | Terminal → USER | Display "Text Attribute 1"                        | Message shall be formatted with foreground and background colour according to text attribute configuration. |
| 5    | USER → Terminal | Clear Message                                     |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.10.1         |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 8.10.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 8.10.2         | Normal priority, wait for user to clear message.  |
| 10   | Terminal → USER | Display "Text Attribute 2"                        | Message shall be formatted with Terminal's default foreground and background colour.                        |
| 11   | USER → Terminal | Clear Message                                     |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 8.10.1         |   |

#### PROACTIVE COMMAND: DISPLAY TEXT 8.10.1

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: "Text Attribute 1"

##### 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 | 22 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 31 | D0 | 04 | 00 | 10 | 00 | B4 |

TERMINAL RESPONSE: DISPLAY TEXT 8.10.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: DISPLAY TEXT 8.10.2

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: "Text Attribute 2"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 11 | 04 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 |
|          | 62 | 75 | 74 | 65 | 20 | 32 |    |    |    |    |    |    |

## 27.22.4.1.8.10.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.31.

The Terminal shall support the UCS2 alphabet for the coding of the Chinese character, as defined in the following technical specification: ISO/IEC 10646 [2].

27.22.4.1.9.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

The Terminal 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 in Chinese)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 9.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 9.1.1         | Normal priority, wait for user to clear message, UCS2 coded. |
| 4    | Terminal → USER | Display "你好"                                     | "Hello" in Chinese.  |
| 5    | USER → Terminal | Clear message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 9.1.1         |  |

PROACTIVE COMMAND: DISPLAY TEXT 9.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: UICC  
 Destination device: Display

Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 10 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 05 | 08 | 4F | 60 | 59 | 7D |    |    |    |    |    |    |

TERMINAL RESPONSE: DISPLAY TEXT 9.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT

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

Device identities

Source device: Terminal  
Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.1.9.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.31.

The Terminal shall support the UCS2 alphabet for the coding of the Katakana character, as defined in the following technical specification: ISO/IEC 10646 [2].

27.22.4.1.10.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

The Terminal 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 in Katakana)**

| Step | Direction       | Message/Action                                    | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 10.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 10.1.1         | Normal priority, wait for user to clear message, UCS2 coded. |
| 4    | Terminal → USER | Display "80JL"                                    | Characters in Katakana.                                      |
| 5    | USER → Terminal | Clear message                                     |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 10.1.1         |  |

## PROACTIVE COMMAND: DISPLAY TEXT 10.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: UICC  
 Destination device: Display

## Text String

Data coding scheme: UCS2 (16bit)  
 Text: "80J"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 07 | 08 | 00 | 38 | 00 | 30 | 30 | EB |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 10.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.1.10.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

## 27.22.4.2.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                | Comments                               |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 1.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 1.1.1         | Digits only, no help info available.   |
| 4    | Terminal → USER | Display "Enter "+"                            | Text string coding in unpacked format. |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 1.1.1         | Command performed successfully.        |

**PROACTIVE COMMAND: GET INKEY 1.1.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 |    |

**TERMINAL RESPONSE: GET INKEY 1.1.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully



Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action                                | Comments                             |
|------|-----------------|---|--------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 1.2.1 |                                      |
| 2    | Terminal → UICC | FETCH   |                                      |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 1.2.1         | Digits only, no help info available. |
| 4    | Terminal → USER | Display "Enter "0""                           | Text string coding in packed format. |
| 5    | USER → Terminal | Enter the input "0" and<br>completion         |                                      |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 1.2.1         | Command performed successfully.      |

PROACTIVE COMMAND: GET INKEY 1.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: SMS default alphabet  
 Text: "Enter "0""

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 09 | 00 | 45 | 37 | BD | 2C | 07 | 89 | 60 | 22 |    |    |

TERMINAL RESPONSE: GET INKEY 1.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "0"

Coding:

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

Expected Sequence 1.3 (GET INKEY, backward move)

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 1.3.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 1.3.1         | Digits only, no help information available.                        |
| 4    | Terminal → USER | Display "<GO-BACKWARDS>"                      | Text string coding in unpacked format.                             |
| 5    | USER → Terminal | Backwards move MMI action                     |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 1.3.1         | Backward move in the proactive UICC session requested by the user. |

PROACTIVE COMMAND: GET INKEY 1.3.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<GO-BACKWARDS>"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0F | 04 | 3C | 47 | 4F | 2D | 42 | 41 | 43 | 4B | 57 | 41 |
|          | 52 | 44 | 53 | 3E |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 1.3.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: backward move in the proactive UICC session requested by the user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

**Expected Sequence 1.4 (GET INKEY, abort)**

| Step | Direction       | Message/Action                                     | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 1.4.1      |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 1.4.1              | Digits only, no help information available.       |
| 4    | Terminal → USER | Display "<ABORT>"                                  | Text string coding in unpacked format.            |
| 5    | USER → Terminal | Terminate the Proactive UICC<br>session MMI action |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 1.4.1              | Proactive UICC session terminated by the<br>user. |

**PROACTIVE COMMAND: GET INKEY 1.4.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 13 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 08 | 04 | 3C | 41 | 42 | 4F | 52 | 54 | 3E |    |    |    |

**TERMINAL RESPONSE: GET INKEY 1.4.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Proactive UICC session terminated by the user

Coding:

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

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

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 1.5.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 1.5.1         | Characters from SMS default alphabet, no help info available. |
| 4    | Terminal → USER | Display "Enter "q""                           | Text string coding in unpacked format.                        |
| 5    | USER → Terminal | Enter the input "q" and completion            |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 1.5.1         | Command performed successfully.                               |

**PROACTIVE COMMAND: GET INKEY 1.5.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: SMS default alphabet, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "q""

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 01 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 71 | 22 |    |

**TERMINAL RESPONSE: GET INKEY 1.5.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: SMS default alphabet, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "q"

Coding:

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

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 1.6.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 1.6.1   | Digits only, no help info available.                     |
| 4    | Terminal → USER | Display "Enter "x". This<br>command instructs the ME to<br>display text, and to expect the<br>user to enter a single character.<br>Any response entered by the<br>user shall be passed t" | 160 characters Text string coding in unpacked<br>format. |
| 5    | USER → Terminal | Enter the input "x" and<br>completion   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 1.6.1   | Command performed successfully.                          |

**PROACTIVE COMMAND: GET INKEY 1.6.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: SMS default alphabet, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "x". This command instructs the ME to display text, and to expect the user to enter a single character. Any response entered by the user shall be passed t"

Coding:

| BER-TLV: | D0 | 81 | AD | 81 | 03 | 01 | 22 | 01 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 8D | 81 | A1 | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 78 |
|          | 22 | 2E | 20 | 54 | 68 | 69 | 73 | 20 | 63 | 6F | 6D | 6D |
|          | 61 | 6E | 64 | 20 | 69 | 6E | 73 | 74 | 72 | 75 | 63 | 74 |
|          | 73 | 20 | 74 | 68 | 65 | 20 | 4D | 45 | 20 | 74 | 6F | 20 |
|          | 64 | 69 | 73 | 70 | 6C | 61 | 79 | 20 | 74 | 65 | 78 | 74 |
|          | 2C | 20 | 61 | 6E | 64 | 20 | 74 | 6F | 20 | 65 | 78 | 70 |
|          | 65 | 63 | 74 | 20 | 74 | 68 | 65 | 20 | 75 | 73 | 65 | 72 |
|          | 20 | 74 | 6F | 20 | 65 | 6E | 74 | 65 | 72 | 20 | 61 | 20 |
|          | 73 | 69 | 6E | 67 | 6C | 65 | 20 | 63 | 68 | 61 | 72 | 61 |
|          | 63 | 74 | 65 | 72 | 2E | 20 | 41 | 6E | 79 | 20 | 72 | 65 |
|          | 73 | 70 | 6F | 6E | 73 | 65 | 20 | 65 | 6E | 74 | 65 | 72 |
|          | 65 | 64 | 20 | 62 | 79 | 20 | 74 | 68 | 65 | 20 | 75 | 73 |
|          | 65 | 72 | 20 | 73 | 68 | 61 | 6C | 6C | 20 | 62 | 65 | 20 |
|          | 70 | 61 | 73 | 73 | 65 | 64 | 20 | 74 |    |    |    |    |

**TERMINAL RESPONSE: GET INKEY 1.6.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: SMS default alphabet, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "x"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 78 |    |    |    |    |    |    |    |    |

27.22.4.2.1.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

27.22.4.2.2.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

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

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

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

## 27.22.4.2.2.4.2 Procedure

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 2.1.1                |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 2.1.1                        | Digits only, no help information available.                                       |
| 4    | Terminal → USER | Display "<TIME-OUT>"   | Text string coding in unpacked format.  |
| 5    | USER            | Waiting and no completion                                    |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 2.1.1                        | No response from user within 5 s after the end<br>of that defined period of time. |
| 7    | USER            | Check the delay of TERMINAL<br>RESPONSE is reasonable or not |   |

## PROACTIVE COMMAND: GET INKEY 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<TIME-OUT>"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 16 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0B | 04 | 3C | 54 | 49 | 4D | 45 | 2D | 4F | 55 | 54 | 3E |

## TERMINAL RESPONSE: GET INKEY 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: No response from user

Coding:

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

## 27.22.4.2.2.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally, the Terminal shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in the following technical specifications: ISO/IEC 10646 [2].

#### 27.22.4.2.3.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 3.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 3.1.1         | Digits only, no help information available.                            |
| 4    | Terminal → USER | Display " ЗДРАВСТВУЙТЕ "                      | Text string "Hello" in Russian coding in 16 bits UCS2 alphabet format. |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 3.1.1         | Command performed successfully.  |

#### PROACTIVE COMMAND: GET INKEY 3.1.1

Logically:

##### Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

##### Device identities

Source device: UICC  
 Destination device: Terminal

##### Text String

Data coding scheme: 16 bit data UCS2 alphabet format  
 Text: " ЗДРАВСТВУЙТЕ "



Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 19 | 08 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
|          | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
|          | 04 | 15 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 3.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 3.2.1   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INKEY 3.2.1  | Digits only, no help information available.                               |
| 4    | Terminal → USER | Display<br>"ЗДРАВСТВУЙТЕЗДРАВСТВУ<br>ЙТЕЗДРАВСТВУЙТЕЗДРАВСТ<br>ВУЙТЕЗДРАВСТВУЙТЕЗДРАВ<br>СТВУЙ" | Text string length 70 characters, coding in 16 bits UCS2 alphabet format. |
| 5    | USER → Terminal | Enter the input "+" and completion  |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INKEY 3.2.1  | Command performed successfully.   |

PROACTIVE COMMAND: GET INKEY 3.2.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | 99 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 |
|          | 8D | 81 | 8D | 08 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |

TERMINAL RESPONSE: GET INKEY 3.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

27.22.4.2.3.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 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 Terminal shall support the GET INKEY command as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally, the Terminal shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in the following technical specifications: ISO/IEC 10646 [2].

27.22.4.2.4.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 4.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 4.1.1         | Characters from UCS2 alphabet, no help<br>information available. |
| 4    | Terminal → USER | Display "Enter"                               | Text string coding in unpacked format.                           |
| 5    | USER → Terminal | Enter the input "Д"<br>and completion         | Cyrillic character, coding in UCS2 format.                       |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 4.1.1         | Command performed successfully.                                  |

PROACTIVE COMMAND: GET INKEY 4.1.1

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 22 | 03 | 82 | 02 | 81 | 82 | 8D |
|          | 06 | 04 | 45 | 6E | 74 | 65 | 72 |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 4.1.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

Data coding scheme: 16 bit data UCS2 alphabet format  
 Text: "Д"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 03 | 08 | 04 | 14 |    |    |    |    |    |    |    |

27.22.4.2.4.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

27.22.4.2.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.4.2.5.4.2 Procedure

**Expected Sequence 5.1 (GET INKEY, "Yes/No" Response for the input, successful)**

| Step | Direction       | Message/Action                                | Comments |
|------|-----------------|---|----------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 5.1.1 |          |
| 2    | Terminal → UICC | FETCH   |          |

| Step | Direction       | Message/Action                             | Comments   |
|------|-----------------|--|--|
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INKEY 5.1.1         | "Yes/No" Response, no help information available.  |
| 4    | Terminal → USER | Display "Enter YES "                       | Text string coding in unpacked format.   |
| 5    | USER → Terminal | Choice "Yes" and Completion                |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INKEY 5.1.1         | Command performed successfully. Check if it is in accordance with the user choice (value '01' in the Text String data object). |
| 7    | UICC → Terminal | PROACTIVE COMMAND PENDING: GET INKEY 5.1.2 |  |
| 8    | Terminal → UICC | FETCH                                      |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET INKEY 5.1.2         | "Yes/No" Response, no help information available.  |
| 10   | Terminal → USER | Display "Enter NO:"                        | Text string coding in unpacked format.   |
| 11   | USER → Terminal | Choice "No" and Completion                 |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET INKEY 5.1.2         | Command performed successfully. Check if it is in accordance with the user choice (value '00' in the Text String data object). |

PROACTIVE COMMAND: GET INKEY 5.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: "Yes/No" Response, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter YES"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 04 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 59 | 45 | 53 |    |

TERMINAL RESPONSE: GET INKEY 5.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: "Yes/No" Response, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: 01 (hex)

Coding:

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

PROACTIVE COMMAND: GET INKEY 5.1.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: "Yes/No" Response, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter NO"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 22 | 04 | 82 | 02 | 81 | 82 | 8D |
|          | 09 | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 4E | 4F |    |    |

TERMINAL RESPONSE: GET INKEY 5.1.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: "Yes/No" Response, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: 00 (hex)

Coding:

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

## 27.22.4.2.5.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.31.

## 27.22.4.2.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 6.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 6.1.1         | BASIC-ICON self-explanatory for the Text<br>string. |
| 4    | Terminal → USER | Display the BASIC-ICON for the<br>prompt      | Text string coding in unpacked format.              |
| 5    | USER → Terminal | Enter "+" and completion                      |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 6.1.1A        | Command performed successfully.                     |

## PROACTIVE COMMAND: GET INKEY 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<NO-ICON>"

## Icon Identifier

Icon qualifier: self-explanatory  
 Icon identifier: 1 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 3C | 4E | 4F | 2D | 49 | 43 | 4F | 4E | 3E | 1E |
|          | 02 | 00 | 01 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 6.1.1A

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action                                      | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 6.1.1       |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 6.1.1               | BASIC-ICON self-explanatory for the Text string.                           |
| 4    | Terminal → USER | Display "<NO-ICON>" for the prompt without the icon | Text string coding in unpacked format.                                     |
| 5    | USER → Terminal | Enter "+" and completion                            |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 6.1.1B              | Command performed successfully, but requested icon could not be displayed. |

## TERMINAL RESPONSE: GET INKEY 6.1.1B

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

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

## Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |



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

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

**PROACTIVE COMMAND: GET INKEY 6.2.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<BASIC-ICON>"

Icon Identifier

Icon qualifier: not self-explanatory  
 Icon identifier: 1 (number of record in EF<sub>img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0D | 04 | 3C | 42 | 41 | 53 | 49 | 43 | 2D | 49 | 43 | 4F |
|          | 4E | 3E | 1E | 02 | 01 | 01 |    |    |    |    |    |    |

**TERMINAL RESPONSE: GET INKEY 6.2.1A**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 6.2.1          |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 6.2.1                  | BASIC-ICON non self-explanatory for the Text string.                       |
| 4    | Terminal → USER | Display "<BASIC-ICON>" for the prompt without the icon | Text string coding in unpacked format.                                     |
| 5    | USER → Terminal | Enter the input "+" and completion                     |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 6.2.1B                 | Command performed successfully, but requested icon could not be displayed. |

TERMINAL RESPONSE: GET INKEY 6.2.1B

Logically:

Command details

Command number:                            1  
 Command type:                               GET INKEY  
 Command qualifier:                         digits (0-9, \*, # and +) only, no help information available

Device identities

Source device:                               Terminal  
 Destination device:                         UICC

Result

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

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 6.3.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 6.3.1         | COLOUR-ICON self-explanatory for the Text<br>string. |
| 4    | Terminal → USER | Display the COLOUR-ICON for<br>the prompt     | Text string coding in unpacked format.               |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 6.3.1A        | Command performed successfully.                      |

**PROACTIVE COMMAND: GET INKEY 6.3.1**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<NO-ICON>"

Icon Identifier

Icon qualifier: self-explanatory  
 Icon identifier: 2 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 3C | 4E | 4F | 2D | 49 | 43 | 4F | 4E | 3E | 1E |
|          | 02 | 00 | 02 |    |    |    |    |    |    |    |    |    |

**TERMINAL RESPONSE: GET INKEY 6.3.1A**

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action                                     | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 6.3.1      |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INKEY 6.3.1                 | COLOUR-ICON self-explanatory for the Text string.                          |
| 4    | Terminal → USER | Display "<NO-ICON>"for the prompt without the icon | Text string coding in unpacked format.                                     |
| 5    | USER → Terminal | Enter the input "+" and completion                 |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INKEY 6.3.1B                | Command performed successfully, but requested icon could not be displayed. |

TERMINAL RESPONSE: GET INKEY 6.3.1B

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 6.4.1                      |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INKEY 6.4.1                                 | COLOUR-ICON non self-explanatory for the Text string. |
| 4    | Terminal → USER | Display "<COLOUR-ICON>" and Display the COLOUR-ICON for the prompt | Text string coding in unpacked format.                |
| 5    | USER → Terminal | Enter the input "+" and completion                                 |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INKEY 6.4.1A                                | Command performed successfully.                       |

## PROACTIVE COMMAND: GET INKEY 6.4.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<COLOUR-ICON>"

## Icon Identifier

Icon qualifier: not self-explanatory  
 Icon identifier: 2 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1D | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0E | 04 | 3C | 43 | 4F | 4C | 4F | 55 | 52 | 2D | 49 | 43 |
|          | 4F | 4E | 3E | 1E | 02 | 01 | 02 |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 6.4.1A

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 6.4.1              |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 6.4.1                      | COLOUR-ICON non self-explanatory for the<br>Text string.                      |
| 4    | Terminal → USER | Display "<COLOUR-ICON>" for<br>the prompt without the icon | Text string coding in unpacked format.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion                      |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 6.4.1B                     | Command performed successfully, but<br>requested icon could not be displayed. |

TERMINAL RESPONSE: GET INKEY 6.4.1B

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

27.22.4.2.6.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.31.

27.22.4.2.7.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.2.7.4.2 Procedure

#### Expected Sequence 7.1 (GET INKEY, help information available)

| Step | Direction       | Message/Action                                   | Comments                                 |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 7.1.1    |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 7.1.1            | Digits only, help information available. |
| 4    | Terminal → USER | Display "Enter "+"                               | Text string coding in unpacked format.   |
| 5    | USER → Terminal | Press "help" key                                 |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 7.1.1            | Help info required.                      |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 7.1.1 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 7.1.1         |  |
| 10   | Terminal → USER | Display 'Help information'                       | Text string coded in unpacked format.    |
| 11   | USER → Terminal | Clear Message                                    |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 7.1.1         |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 7.1.2    |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 7.1.2            | Digits only, help information available. |
| 16   | Terminal → USER | Display "Enter "+"                               | Repetition of get inkey.                 |
| 17   | USER → Terminal | Enter the input "+" and<br>completion            |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 7.1.2            | Command performed successfully.          |

#### PROACTIVE COMMAND: GET INKEY 7.1.1

Logically:

##### Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, help information available

##### Device identities

Source device: UICC  
 Destination device: Terminal

##### Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 80 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 |    |

TERMINAL RESPONSE: GET INKEY 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Help information required by the user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 13 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

PROACTIVE COMMAND: DISPLAY TEXT 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: UICC  
 Destination device: Display

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Help information"

Coding:

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

TERMINAL RESPONSE: DISPLAY TEXT 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully



Coding:

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

PROACTIVE COMMAND: GET INKEY 7.1.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 80 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 |    |

TERMINAL RESPONSE: GET INKEY 7.1.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

## 27.22.4.2.7.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.31.

## 27.22.4.2.8.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments                               |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 8.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 8.1.1         |  |
| 4    | Terminal → USER | Display "Enter "+" for 10<br>seconds          | Text string coding in unpacked format. |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 8.1.1         | No response from user.                 |

## PROACTIVE COMMAND: GET INKEY 8.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

## Duration

Time unit: Seconds  
 Time interval: 10

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | 84 |
|          | 02 | 01 | 0A |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 8.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: No response from user

Duration

Time unit: seconds  
 Time interval: any value greater than or equal to 10

Coding:

|          |    |    |    |             |    |    |    |    |    |    |    |    |
|----------|----|----|----|-------------|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22          | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 12 |
|          | 04 | 02 | 01 | Cond<br>001 |    |    |    |    |    |    |    |    |

Cond001: Coding of any value greater than or equal to 10.

27.22.4.2.8.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

27.22.4.2.9.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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 )**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.1.1         |   |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with left alignment.   |
| 5    | USER → Terminal | Enter the input "+" and completion            |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.1.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.1.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.1.2         |   |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted without left alignment. Remark: If left alignment is the Terminal's default alignment as declared in table A.2/6, no alignment change will take place. |
| 11   | USER → Terminal | Enter the input "#" and completion            |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.1.2         | Command performed successfully.   |

PROACTIVE COMMAND: GET INKEY 9.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

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 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 00 | B4 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 9.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: GET INKEY 9.1.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

TERMINAL RESPONSE: GET INKEY 9.1.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

## Text String:

Data coding scheme: unpacked, 8 bit data  
Text: "#"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

## 27.22.4.2.9.1.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

## 27.22.4.2.9.2.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.2.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.2.1         |   |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with center alignment.   |
| 5    | USER → Terminal | Enter the input "+" and completion            |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.2.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.2.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.2.2         |   |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted without center alignment. Remark: If center alignment is the Terminal's default alignment as declared in table A.2/6, no alignment change will take place. |
| 11   | USER → Terminal | Enter the input "#" and completion            |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.2.2         | Command performed successfully.   |

PROACTIVE COMMAND: GET INKEY 9.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

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 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 01 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.2.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET INKEY 9.2.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

## TERMINAL RESPONSE: GET INKEY 9.2.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully



Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

27.22.4.2.9.2.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

27.22.4.2.9.3.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.3.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.3.1         |   |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with right alignment.  |
| 5    | USER → Terminal | Enter the input "+" and completion            |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.3.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.3.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.3.2         |   |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted without right alignment. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/6, no alignment change will take place. |
| 11   | USER → Terminal | Enter the input "#" and completion            |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.3.2         | Command performed successfully.   |

PROACTIVE COMMAND: GET INKEY 9.3.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 02 | B4 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 9.3.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: GET INKEY 9.3.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

TERMINAL RESPONSE: GET INKEY 9.3.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:  
 Data coding scheme:                      unpacked, 8 bit data  
 Text:    "#"

Coding

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

27.22.4.2.9.3.5            Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

27.22.4.2.9.4.3            Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.4.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.4.1         |   |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with large font size.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.4.1         | Command performed successfully.                   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.4.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.4.2         |   |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with normal font size. |
| 11   | USER → Terminal | Enter the input "#" and<br>completion         |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.4.2         | Command performed successfully.                   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.4.1 |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.4.1         |   |
| 16   | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with large font size.  |
| 17   | USER → Terminal | Enter the input "+" and<br>completion         |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.4.1         | Command performed successfully.                   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.4.3 |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.4.3         |   |
| 22   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with normal font size. |
| 23   | USER → Terminal | Enter the input "#" and<br>completion         |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.4.2         | Command performed successfully.                   |

## PROACTIVE COMMAND: GET INKEY 9.4.1

Logically:

## Command details

Command number: 1  
Command type: GET INKEY  
Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Large Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 04 | B4 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 9.4.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: GET INKEY 9.4.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

## Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 | D0 |
|          | 04 | 00 | 09 | 00 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.4.2

## Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: "#"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET INKEY 9.4.3

## Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#""

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

## 27.22.4.2.9.4.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

## 27.22.4.2.9.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.5.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.5.1         |   |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with small font size.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.5.1         | Command performed successfully.                   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.5.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.5.2         |   |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with normal font size. |
| 11   | USER → Terminal | Enter the input "#" and<br>completion         |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.5.2         | Command performed successfully.                   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.5.1 |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.5.1         |   |
| 16   | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with small font size.  |
| 17   | USER → Terminal | Enter the input "+" and<br>completion         |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.5.1         | Command performed successfully.                   |



| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.5.3 |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.5.3         |   |
| 22   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with normal font size. |
| 23   | USER → Terminal | Enter the input "#" and<br>completion         |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.5.2         | Command performed successfully.                   |

PROACTIVE COMMAND: GET INKEY 9.5.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 08 | B4 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 9.5.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: GET INKEY 9.5.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 | D0 |
|          | 04 | 00 | 09 | 00 | B4 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 9.5.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET INKEY 9.5.3

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

27.22.4.2.9.5.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

27.22.4.2.9.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments                                  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.6.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.6.1         |   |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with bold on.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.6.1         | Command performed successfully.           |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.6.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.6.2         |   |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with bold off. |
| 11   | USER → Terminal | Enter the input "#" and<br>completion         |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.6.2         | Command performed successfully.           |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.6.1 |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.6.1         |   |
| 16   | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with bold on.  |
| 17   | USER → Terminal | Enter the input "+" and<br>completion         |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.6.1         | Command performed successfully.           |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.6.3 |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.6.3         |   |
| 22   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with bold off. |
| 23   | USER → Terminal | Enter the input "#" and<br>completion         |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.6.2         | Command performed successfully.           |

**PROACTIVE COMMAND: GET INKEY 9.6.1**

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold On, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 10 | B4 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 9.6.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: GET INKEY 9.6.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

## Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 | D0 |
|          | 04 | 00 | 09 | 00 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.6.2

## Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: "#"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET INKEY 9.6.3

## Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#""

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

## 27.22.4.2.9.6.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

## 27.22.4.2.9.7.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments                                    |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.7.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.7.1         |   |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with italic on.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.7.1         | Command performed successfully.             |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.7.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.7.2         |   |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with italic off. |
| 11   | USER → Terminal | Enter the input "#" and<br>completion         |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.7.2         | Command performed successfully.             |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.7.1 |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.7.1         |   |
| 16   | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with italic on.  |
| 17   | USER → Terminal | Enter the input "+" and<br>completion         |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.7.1         | Command performed successfully.             |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.7.3 |   |
| 20   | Terminal → UICC | FETCH   |   |

| Step | Direction       | Message/Action                     | Comments                                    |
|------|-----------------|------------------------------------|---|
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET INKEY 9.7.3 |   |
| 22   | Terminal → USER | Display "Enter "#"                 | Message shall be formatted with italic off. |
| 23   | USER → Terminal | Enter the input "#" and completion |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET INKEY 9.7.2 | Command performed successfully.             |

## PROACTIVE COMMAND: GET INKEY 9.7.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

## Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic On, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 20 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.7.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |



## PROACTIVE COMMAND: GET INKEY 9.7.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

## Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 | D0 |
|          | 04 | 00 | 09 | 00 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.7.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET INKEY 9.7.3

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

## 27.22.4.2.9.7.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

## 27.22.4.2.9.8.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments                                       |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.8.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.8.1         |  |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with underline on.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.8.1         | Command performed successfully.                |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.8.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.8.2         |  |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with underline off. |
| 11   | USER → Terminal | Enter the input "#" and<br>completion         |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.8.2         | Command performed successfully.                |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.8.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.8.1         |  |
| 16   | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with underline on.  |
| 17   | USER → Terminal | Enter the input "+" and<br>completion         |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.8.1         | Command performed successfully.                |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.8.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.8.3         |  |
| 22   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with underline off. |
| 23   | USER → Terminal | Enter the input "#" and<br>completion         |  |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.8.2         | Command performed successfully.                |

## PROACTIVE COMMAND: GET INKEY 9.8.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

## Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline On, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 40 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.8.1

## Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

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

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET INKEY 9.8.2

## Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#""

## Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 | D0 |
|          | 04 | 00 | 09 | 00 | B4 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 9.8.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: GET INKEY 9.8.3

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

## 27.22.4.2.9.8.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

## 27.22.4.2.9.9.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.9.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.9.1         |  |
| 4    | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with strikethrough on.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.9.1         | Command performed successfully.                    |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.9.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.9.2         |  |
| 10   | Terminal → USER | Display "Enter "#"                            | Message shall be formatted with strikethrough off. |
| 11   | USER → Terminal | Enter the input "#" and<br>completion         |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.9.2         | Command performed successfully.                    |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.9.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.9.1         |  |
| 16   | Terminal → USER | Display "Enter "+"                            | Message shall be formatted with strikethrough on.  |
| 17   | USER → Terminal | Enter the input "+" and<br>completion         |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.9.1         | Command performed successfully.                    |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.9.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.9.3         |  |

| Step | Direction       | Message/Action                     | Comments   |
|------|-----------------|------------------------------------|--|
| 22   | Terminal → USER | Display "Enter "#"                 | Message shall be formatted with strikethrough off. |
| 23   | USER → Terminal | Enter the input "#" and completion |  |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET INKEY 9.9.2 | Command performed successfully.                    |

## PROACTIVE COMMAND: GET INKEY 9.9.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

## Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough On  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 80 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.9.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET INKEY 9.9.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

## Text Attribute

Formatting position: 0  
 Formatting length: 9  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 | D0 |
|          | 04 | 00 | 09 | 00 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.9.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |



## PROACTIVE COMMAND: GET INKEY 9.9.2

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

## PROACTIVE COMMAND: GET INKEY 9.9.3

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

## 27.22.4.2.9.9.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.8, 8.15, 8.15.1, 8.15.2, 8.15.3, 8.31 and 8.70.

## 27.22.4.2.9.10.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                 | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.10.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.10.1         |   |
| 4    | Terminal → USER | Display "Enter "+"                             | Message shall be formatted with foreground and background colour according to text attribute configuration. |
| 5    | USER → Terminal | Enter the input "+" and completion             |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.10.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 9.10.2 |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 9.10.2         |   |
| 10   | Terminal → USER | Display "Enter "#"                             | Message shall be formatted with Terminal's default foreground and background colour.                        |
| 11   | USER → Terminal | Enter the input "#" and completion             |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 9.10.2         | Command performed successfully.   |

## PROACTIVE COMMAND: GET INKEY 9.10.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "+"

## 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 | 1B | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 2B | 22 | D0 |
|          | 04 | 00 | 09 | 00 | B4 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INKEY 9.10.1

## Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text String:

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

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET INKEY 9.10.2

## Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter "#""

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 15 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0A | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 22 | 23 | 22 |    |

TERMINAL RESPONSE: GET INKEY 9.10.2

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

Data coding scheme: unpacked, 8 bit data  
 Text: "#"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 23 |    |    |    |    |    |    |    |    |

27.22.4.2.9.10.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally, the Terminal shall support the UCS2 facility for the coding of the Chinese character, as defined in the following technical specifications: ISO/IEC 10646 [2].

27.22.4.2.10.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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 in Chinese, successful)**

| Step | Direction       | Message/Action                                 | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 10.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 10.1.1         | Digits only, no help information available.                               |
| 4    | Terminal → USER | Display "你好"                                   | Text string "Hello" in Chinese coding in 16 bits<br>UCS2 alphabet format. |
| 5    | USER → Terminal | Enter the input "+" and<br>completion          |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 10.1.1         | Command performed successfully.   |

PROACTIVE COMMAND: GET INKEY 10.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: 16 bit data UCS2 alphabet format  
 Text: "你好"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 10 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 05 | 08 | 4F | 60 | 59 | 7D |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 10.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 10.2.1  |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 10.2.1  | Digits only, no help information available.                               |
| 4    | Terminal → USER | Display<br>"你好"<br>"你好"<br>"你好"<br>"你好"<br>"你好你好你好" | Text string length 70 characters, coding in 16 bits UCS2 alphabet format. |
| 5    | USER → Terminal | Enter the input "+" and<br>completion   |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 10.2.1  | Command performed successfully.   |

PROACTIVE COMMAND: GET INKEY 10.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: 16 bit data UCS2 alphabet format  
 Text:

"你好"  
 "你好"  
 "你好你好你好"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | 99 | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 81 | 82 |
|          | 8D | 81 | 8D | 08 | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |

TERMINAL RESPONSE: GET INKEY 10.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

27.22.4.2.10.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally, the Terminal shall support the UCS2 facility for the coding of the Chinese character, as defined in the following technical specifications: ISO/IEC 10646 [2].

27.22.4.2.11.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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 in Chinese, successful)**

| Step | Direction       | Message/Action                                 | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 11.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 11.1.1         | Characters from UCS2 alphabet, no help<br>information available. |
| 4    | Terminal → USER | Display "Enter"                                | Text string coding in unpacked format.                           |
| 5    | USER → Terminal | Enter the input "好"<br>and completion          | Chinese character, coding in UCS2 format.                        |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 11.1.1         | Command performed successfully.                                  |

PROACTIVE COMMAND: GET INKEY 11.1.1

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 22 | 03 | 82 | 02 | 81 | 82 | 8D |
|          | 06 | 04 | 45 | 6E | 74 | 65 | 72 |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 11.1.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

Data coding scheme: 16 bit data UCS2 alphabet format  
 Text: "好"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 03 | 08 | 59 | 7D |    |    |    |    |    |    |    |



## 27.22.4.2.11.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 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 Terminal shall support the GET INKEY command as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally, the Terminal shall support the UCS2 facility for the coding of the Katakana character, as defined in the following technical specifications: ISO/IEC 10646 [2].

## 27.22.4.2.12.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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 in Katakana, successful)**

| Step | Direction       | Message/Action                                 | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 12.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 12.1.1         | Digits only, no help information available.                               |
| 4    | Terminal → USER | Display "ル"                                    | Text string character in Katakana coding in 16 bits UCS2 alphabet format. |
| 5    | USER → Terminal | Enter the input "+" and<br>completion          |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 12.1.1         | Command performed successfully.   |

## PROACTIVE COMMAND: GET INKEY 12.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INKEY  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal





## 27.22.4.2.13.2 Conformance requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.2, 6.6.2, 6.8, 6.11, 8.6, 8.7, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally, the Terminal shall support the UCS2 facility for the coding of the Katakana character, as defined in the following technical specifications: ISO/IEC 10646 [2].

## 27.22.4.2.13.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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 in Katakana, successful)**

| Step | Direction       | Message/Action                                 | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INKEY 13.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INKEY 13.1.1         | Characters from UCS2 alphabet, no help<br>information available. |
| 4    | Terminal → USER | Display "Enter"                                | Text string coding in unpacked format.                           |
| 5    | USER → Terminal | Enter the input "ル"<br>and completion          | Katakana character, coding in UCS2 format.                       |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INKEY 13.1.1         | Command performed successfully.                                  |

## PROACTIVE COMMAND: GET INKEY 13.1.1

Logically:

## Command details

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

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 22 | 03 | 82 | 02 | 81 | 82 | 8D |
|          | 06 | 04 | 45 | 6E | 74 | 65 | 72 |    |    |    |    |    |

TERMINAL RESPONSE: GET INKEY 13.1.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String:

Data coding scheme: 16 bit data UCS2 alphabet format  
 Text: "ル"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 22 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 03 | 08 | 30 | EB |    |    |    |    |    |    |    |

27.22.4.2.13.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 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 Terminal shall support the GET INPUT command as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

27.22.4.3.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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, Terminal to echo text, Terminal supporting 8 bit data Message)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 1.1.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help info available. |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5<br>Text string coding in unpacked format.                               |
| 5    | USER → Terminal | Enter the input "12345" and completion        |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 1.1.1         | Command performed successfully.   |

PROACTIVE COMMAND: GET INPUT 1.1.1

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 1.1.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

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

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.2.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 1.2.1         | Digits only, SMS default alphabet, Terminal to echo text, packing required, no help information available. |
| 4    | Terminal → USER | Display "Enter 67*#+"                         | Range of expected length is 5-5<br>Text string coding in packed format.                                    |
| 5    | USER → Terminal | Enter the input "67*#+" and completion        |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 1.2.1         | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 1.2.1

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: SMS default alphabet  
 Text: "Enter 67\*#+"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

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

TERMINAL RESPONSE: GET INPUT 1.2.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: packed SMS format  
 Text: "67\*#+"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 08 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 00 | B6 | 9B | 6A | B4 | 02 |    |    |    |    |

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

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.3.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 1.3.1            | Character set, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "Enter AbCdE"                         | Range of expected length is 5-5<br>Text string coding in unpacked format.  |
| 5    | USER → Terminal | Enter the input "AbCdE" and completion        | The Terminal may echo the input.   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 1.3.1            | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 1.3.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: Character set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter AbCdE"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 01 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 41 | 62 | 43 | 64 |
|          | 45 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |



## TERMINAL RESPONSE: GET INPUT 1.3.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: Character set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "AbCdE"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 41 | 62 | 43 | 64 | 45 |    |    |    |    |

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

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.4.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 1.4.1            | Digits only, SMS default alphabet, Terminal to hide text, packing not required, no help information available. |
| 4    | Terminal → USER | Display<br>"Password 1<SEND>2345678"          | Range of expected length is 4-8<br>Text string coding in unpacked format.                                      |
| 5    | USER → Terminal | Enter the input "2345678" and completion      | User's input not to be revealed at any time, optionally indication of key entries such as by displaying "***". |
| 6    | Terminal → USER | Input not revealed                            | optionally indication of key entries such as by displaying "***".  |
| 7    | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 1.4.1            | Command performed successfully.  |

## PROACTIVE COMMAND: GET INPUT 1.4.1

Logically:

## Command details

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

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Password 1<SEND>2345678"

## Response length

Minimum length: 4  
 Maximum length: 8

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 27 | 81 | 03 | 01 | 23 | 04 | 82 | 02 | 81 | 82 | 8D |
|          | 18 | 04 | 50 | 61 | 73 | 73 | 77 | 6F | 72 | 64 | 20 | 31 |
|          | 3C | 53 | 45 | 4E | 44 | 3E | 32 | 33 | 34 | 35 | 36 | 37 |
|          | 38 | 91 | 02 | 04 | 08 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INPUT 1.4.1

## Logically:

## Command details

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

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "2345678"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 04 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 08 | 04 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |    |    |

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.5.1                                       |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 1.5.1   | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "Enter 1..9,0..9,0(1)"  | Range of expected length is 1-20<br>Text string coding in unpacked format.                                     |
| 5    | USER → Terminal | Completion without input  |  |
| 6    | Terminal → USER | The Terminal MMI takes action to manage the entry of correct numbers of characters. |  |
| 7    | USER → Terminal | Enter<br>"12345678901234567890" and completion                                      |  |
| 8    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 1.5.1   | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 1.5.1

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 1..9,0..9,0(1)"

Response length

Minimum length: 1  
 Maximum length: 20

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 15 | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 2E | 2E | 39 |
|          | 2C | 30 | 2E | 2E | 39 | 2C | 30 | 28 | 31 | 29 | 91 | 02 |
|          | 01 | 14 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 1.5.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345678901234567890"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 15 | 04 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
|          | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 30 |    |

**Expected Sequence 1.6 (GET INPUT, backwards move)**

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.6.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 1.6.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "<GO-BACKWARDS>"                      | Range of expected length is 0-8<br>Text string coding in unpacked format.                                      |
| 5    | USER → Terminal | Backwards move MMI action                     |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 1.6.1         | Backward move in the proactive UICC session requested by the user.   |

**PROACTIVE COMMAND: GET INPUT 1.6.1**

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "<GO-BACKWARDS>"

Response length

Minimum length: 0  
 Maximum length: 8

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1E | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0F | 04 | 3C | 47 | 4F | 2D | 42 | 41 | 43 | 4B | 57 | 41 |
|          | 52 | 44 | 53 | 3E | 91 | 02 | 00 | 08 |    |    |    |    |

**TERMINAL RESPONSE: GET INPUT 1.6.1**

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: backward move in the proactive UICC session requested by the user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

**Expected Sequence 1.7 (GET INPUT, abort)**

| Step | Direction       | Message/Action                                     | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.7.1      |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 1.7.1              | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "<ABORT>"                                  | Range if expected length is 0-8<br>Text string coding in unpacked format.                                      |
| 5    | USER → Terminal | Terminate the Proactive UICC<br>session MMI action |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 1.7.1              | Proactive UICC session terminated by the user.   |

**PROACTIVE COMMAND: GET INPUT 1.7.1**

Logically:

## Command details

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

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text string

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

## Response length

Minimum length: 0  
 Maximum length: 8

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 17 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 08 | 04 | 3C | 41 | 42 | 4F | 52 | 54 | 3E | 91 | 02 | 00 |
|          | 08 |    |    |    |    |    |    |    |    |    |    |    |

**TERMINAL RESPONSE: GET INPUT 1.7.1**

Logically:

## Command details

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

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Proactive UICC session terminated by the user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 10 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.8.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 1.8.1   | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display<br>"***1111111111###**2222222<br>222###**3333333333###**44<br>44444444###**5555555555##<br>#**6666666666###**7777777<br>777###**8888888888###**99<br>99999999###**0000000000##<br>#"                        | Range of length expected is 160-160<br>Text string coding in unpacked format.                                  |
| 5    | USER → Terminal | Enter the input<br>"***1111111111###**2222222<br>222###**3333333333###**44<br>44444444###**5555555555##<br>#**6666666666###**7777777<br>777###**8888888888###**99<br>99999999###**0000000000##<br>#" and completion |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 1.8.1   | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 1.8.1

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "\*\*\*1111111111###\*\*2222222222###\*\*3333333333###\*\*4444444444###\*\*  
 5555555555###\*\*6666666666###\*\*7777777777###\*\*8888888888###\*\*9999  
 999999###\*\*0000000000###"

Response length

Minimum length: 160  
 Maximum length: 160

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | B1 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 |
|          | 8D | 81 | A1 | 04 | 2A | 2A | 2A | 31 | 31 | 31 | 31 | 31 |
|          | 31 | 31 | 31 | 31 | 31 | 23 | 23 | 23 | 2A | 2A | 2A | 32 |
|          | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
|          | 33 | 23 | 23 | 23 | 2A | 2A | 2A | 34 | 34 | 34 | 34 | 34 |
|          | 34 | 34 | 34 | 34 | 34 | 23 | 23 | 23 | 2A | 2A | 2A | 35 |
|          | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
|          | 36 | 23 | 23 | 23 | 2A | 2A | 2A | 37 | 37 | 37 | 37 | 37 |
|          | 37 | 37 | 37 | 37 | 37 | 23 | 23 | 23 | 2A | 2A | 2A | 38 |
|          | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
|          | 39 | 23 | 23 | 23 | 2A | 2A | 2A | 30 | 30 | 30 | 30 | 30 |
|          | 30 | 30 | 30 | 30 | 30 | 23 | 23 | 23 | 91 | 02 | A0 | A0 |

TERMINAL RESPONSE: GET INPUT 1.8.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 81 | A1 | 04 | 2A | 2A | 2A | 31 | 31 | 31 | 31 | 31 |
|          | 31 | 31 | 31 | 31 | 31 | 23 | 23 | 23 | 2A | 2A | 2A | 32 |
|          | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
|          | 33 | 23 | 23 | 23 | 2A | 2A | 2A | 34 | 34 | 34 | 34 | 34 |
|          | 34 | 34 | 34 | 34 | 34 | 23 | 23 | 23 | 2A | 2A | 2A | 35 |
|          | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
|          | 36 | 23 | 23 | 23 | 2A | 2A | 2A | 37 | 37 | 37 | 37 | 37 |
|          | 37 | 37 | 37 | 37 | 37 | 23 | 23 | 23 | 2A | 2A | 2A | 38 |
|          | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
|          | 39 | 23 | 23 | 23 | 2A | 2A | 2A | 30 | 30 | 30 | 30 | 30 |
|          | 30 | 30 | 30 | 30 | 30 | 23 | 23 | 23 |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.9.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 1.9.1  | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "<SEND>"   | Range of expected length is 0-1<br>Text string coding in unpacked format.                                      |
| 5    | USER → Terminal | Completion   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 1.9.1A<br>Or<br>TERMINAL RESPONSE: GET<br>INPUT 1.9.1B | Command performed successfully.  |

**PROACTIVE COMMAND: GET INPUT 1.9.1**

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "<SEND>"

Response length

Minimum length: 0  
 Maximum length: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 16 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 07 | 04 | 3C | 53 | 45 | 4E | 44 | 3E | 91 | 02 | 00 | 01 |

**TERMINAL RESPONSE: GET INPUT 1.9.1A**

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully



## Text string

Data coding scheme: unpacked, 8 bit data  
Text: empty string

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 01 | 04 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 1.9.1B

## Logically:

## Command details

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

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Contents: Null data object

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 00 |    |    |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action                                 | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 1.10.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 1.10.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help info available. |
| 4    | Terminal → USER | Request for input                              | Range of expected length is 1-5<br>Null Text string.  |
| 5    | USER → Terminal | Enter the input "12345" and<br>completion      |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 1.10.1         | Command performed successfully.   |

PROACTIVE COMMAND: GET INPUT 1.10.1

## Logically:

## Command details

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

## Device identities

Source device: UICC  
Destination device: Terminal

Text string  
Text: length null (00).

Response length  
Minimum length: 1  
Maximum length: 5

Coding:

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

TERMINAL RESPONSE: GET INPUT 1.10.1

Logically:

Command details

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

Device identities

Source device: Terminal  
Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
Text: "12345"

Coding:

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

#### 27.22.4.3.1.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

##### 27.22.4.3.2.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

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

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

The UICC 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)

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 2.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 2.1.1         | Digits only, SMS default alphabet<br>Terminal to echo text, packing not required,<br>no help information available. |
| 4    | Terminal → USER | Display "<TIME-OUT>"                          | Range of expected length is 0-10<br>Text string coding in unpacked format.  |
| 5    | USER            | Waiting and no completion                     |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 2.1.1         | No response from user within 5 s after the end<br>of that defined period of time.                                   |

#### PROACTIVE COMMAND: GET INPUT 2.1.1

Logically:

##### Command details

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

##### Device identities

Source device: UICC  
 Destination device: Terminal

##### Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<TIME-OUT>"

##### Response length

Minimum length: 0  
 Maximum length: 10

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0B | 04 | 3C | 54 | 49 | 4D | 45 | 2D | 4F | 55 | 54 | 3E |
|          | 91 | 02 | 00 | 0A |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INPUT 2.1.1

Logically:

## Command details

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

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: No response from user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 12 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## 27.22.4.3.2.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally the Terminal shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in the following technical specifications: ISO/IEC 10646 [2].

## 27.22.4.3.3.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 3.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 3.1.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "ЗДРАВСТВУЙТЕ "                       | Range of expected length is 5-5<br>Text string "Hello" in Russian coding in 16 bits UCS2 alphabet format.      |
| 5    | USER → Terminal | Enter the input "HELLO" and completion        |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 3.1.1         | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 3.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: 16 bit data UCS2 alphabet format  
 Text: "ЗДРАВСТВУЙТЕ"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 28 | 81 | 03 | 01 | 23 | 01 | 82 | 02 | 81 | 82 | 8D |
|          | 19 | 08 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
|          | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
|          | 04 | 15 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 3.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
Text: "HELLO"

## Coding:

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

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 3.2.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 3.2.1   | Digits only, SMS default alphabet,<br>Terminal to echo text, packing not<br>required, no help information available. |
| 4    | Terminal → USER | Display<br>"ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ<br>ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ<br>ЗДРАВСТВУЙТЕЗДРАВСТВУЙ" | Range of expected length is 5-5<br>Text string length 70 characters, coding in<br>16 bits UCS2 alphabet format.      |
| 5    | USER → Terminal | Enter the input "HELLO" and<br>completion   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 3.2.1   | Command performed successfully.  |

## PROACTIVE COMMAND: GET INPUT 3.2.1

## Logically:

## Command details

Command number: 1  
Command type: GET INPUT  
Command qualifier: alphabet set, SMS default alphabet, input in unpacked format,  
Terminal to echo text, no help information available

## Device identities

Source device: UICC  
Destination device: Terminal

## Text String

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

## Response length

Minimum length: 5  
Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | 9D | 81 | 03 | 01 | 23 | 01 | 82 | 02 | 81 | 82 |
|          | 8D | 81 | 8D | 08 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 04 | 12 | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 |
|          | 04 | 22 | 04 | 15 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 |
|          | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 3.2.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "HELLO"

Coding:

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

## 27.22.4.3.3.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally the Terminal shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in ISO/IEC 10646 [2].

## 27.22.4.3.4.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                       | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 4.1.1        |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 4.1.1                | Character set, UCS2 alphabet, Terminal to<br>echo text, packing not required, no help<br>information available. |
| 4    | Terminal → USER | Display "Enter Hello"                                | Range of expected length is 12-12<br>Text string coding in unpacked format.                                     |
| 5    | USER → Terminal | Enter the input<br>"ЗДРАВСТВУЙТЕ "<br>and completion | "Hello" in Russian, coding in UCS2 format.  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 4.1.1                | Command performed successfully.   |

## PROACTIVE COMMAND: GET INPUT 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to  
 echo text, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter Hello"

## Response length

Minimum length: 12  
 Maximum length: 12

Coding:

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



## TERMINAL RESPONSE: GET INPUT 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: UCS2  
 Text: "ЗДРАВСТВУЙТЕ"

Coding:

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

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

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>GET INPUT 4.2.1   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 4.2.1   | Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display<br>"Enter Hello"  | Range of expected length is no limit<br>Text string coding in unpacked format.                            |
| 5    | USER → Terminal | Enter the input<br>"ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ<br>ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ<br>ЗДРАВСТВУЙТЕЗДРАВСТВУЙ" and<br>completion | Input length 70 characters, coding in UCS2 format.  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INPUT<br>4.2.1   | Command performed successfully.   |

## PROACTIVE COMMAND: GET INPUT 4.2.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
Text: "Enter Hello"

## Response length

Minimum length: 5  
Maximum length: No maximum length requirement

## Coding:

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

## TERMINAL RESPONSE: GET INPUT 4.2.1

## Logically:

## Command details

Command number: 1  
Command type: GET INPUT  
Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Command performed successfully  
Data coding scheme: UCS2  
Text: "ЗДРАВСТВУЙТЕ...ЗДРАВСТВУЙ" (70 chars)

## Coding:

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

## 27.22.4.3.4.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.23.

## 27.22.4.3.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

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

## 27.22.4.3.5.4.2 Procedure

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

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 5.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 5.1.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.      |
| 4    | Terminal → USER | Display "Enter 12345"<br>Display "12345"      | Range of expected length is 5-5<br>Text string coding in unpacked format<br>Default text coding in unpacked format. |
| 5    | USER → Terminal | Completion                                    |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 5.1.1         | Command performed successfully.   |

## PROACTIVE COMMAND: GET INPUT 5.1.1

Logically:

## Command details

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

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## Default Text

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

TERMINAL RESPONSE: GET INPUT 5.1.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

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

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 5.2.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 5.2.1   | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.                           |
| 4    | Terminal → USER | Display "Enter:"<br>Display default text input:<br>"***1111111111###**22222222<br>22###**3333333333###**4444<br>444444###**5555555555###**<br>6666666666###**7777777777#<br>##**8888888888###**9999999<br>999###**0000000000###" | Range of expected length is 160-160<br>Text string coding in unpacked format<br>Default text length 160 bytes coding in unpacked format. |
| 5    | USER → Terminal | Completion   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 5.2.1   | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 5.2.1

Logically:

Command details

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

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter:"

Response length

Minimum length: 160  
 Maximum length: 160

Default Text

Data coding scheme: unpacked, 8 bit data  
 Text: "\*\*\*111111111###\*\*222222222###\*\*333333333###\*\*444444444###\*\*555555555###\*\*666666666###\*\*777777777###\*\*888888888###\*\*999999999###\*\*000000000###"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | BA | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 |
|          | 8D | 07 | 04 | 45 | 6E | 74 | 65 | 72 | 3A | 91 | 02 | A0 |
|          | A0 | 17 | 81 | A1 | 04 | 2A | 2A | 2A | 31 | 31 | 31 | 31 |
|          | 31 | 31 | 31 | 31 | 31 | 31 | 23 | 23 | 23 | 2A | 2A | 2A |
|          | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 23 | 23 |
|          | 23 | 2A | 2A | 2A | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
|          | 33 | 33 | 23 | 23 | 23 | 2A | 2A | 2A | 34 | 34 | 34 | 34 |
|          | 34 | 34 | 34 | 34 | 34 | 34 | 23 | 23 | 23 | 2A | 2A | 2A |
|          | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 23 | 23 |
|          | 23 | 2A | 2A | 2A | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
|          | 36 | 36 | 23 | 23 | 23 | 2A | 2A | 2A | 37 | 37 | 37 | 37 |
|          | 37 | 37 | 37 | 37 | 37 | 37 | 23 | 23 | 23 | 2A | 2A | 2A |
|          | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 23 | 23 |
|          | 23 | 2A | 2A | 2A | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
|          | 39 | 39 | 23 | 23 | 23 | 2A | 2A | 2A | 30 | 30 | 30 | 30 |
|          | 30 | 30 | 30 | 30 | 30 | 30 | 23 | 23 | 23 |    |    |    |

TERMINAL RESPONSE: GET INPUT 5.2.1

Logically:

Command details

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

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "\*\*\*111111111###\*\*222222222###\*\*333333333###\*\*444444444###\*\*555555555###\*\*666666666###\*\*777777777###\*\*888888888###\*\*999999999###\*\*000000000###"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 81 | A1 | 04 | 2A | 2A | 2A | 31 | 31 | 31 | 31 | 31 |
|          | 31 | 31 | 31 | 31 | 31 | 23 | 23 | 23 | 2A | 2A | 2A | 32 |
|          | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
|          | 33 | 23 | 23 | 23 | 2A | 2A | 2A | 34 | 34 | 34 | 34 | 34 |
|          | 34 | 34 | 34 | 34 | 34 | 23 | 23 | 23 | 2A | 2A | 2A | 35 |
|          | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
|          | 36 | 23 | 23 | 23 | 2A | 2A | 2A | 37 | 37 | 37 | 37 | 37 |
|          | 37 | 37 | 37 | 37 | 37 | 23 | 23 | 23 | 2A | 2A | 2A | 38 |
|          | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 23 | 23 | 23 |
|          | 2A | 2A | 2A | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
|          | 39 | 23 | 23 | 23 | 2A | 2A | 2A | 30 | 30 | 30 | 30 | 30 |
|          | 30 | 30 | 30 | 30 | 30 | 23 | 23 | 23 |    |    |    |    |

27.22.4.3.5.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.5.4, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 12.31.

27.22.4.3.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal 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)**

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 6.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 6.1.1            | BASIC-ICON self-explanatory for the Text string. |
| 4    | Terminal → USER | Display the BASIC-ICON for the prompt         | Text string coding in unpacked format.           |
| 5    | USER → Terminal | Enter "+" and completion                      |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 6.1.1A           | Command performed successfully.                  |

## PROACTIVE COMMAND: GET INPUT 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<NO-ICON>"

## Response length

Minimum length: 0  
 Maximum length: 10

## Icon Identifier

Icon qualifier: self-explanatory  
 Icon identifier: 1 (number of record in EF<sub>Img</sub>)

Coding:

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

## TERMINAL RESPONSE: GET INPUT 6.1.1A

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 6.1.1          |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 6.1.1                  | BASIC-ICON self-explanatory for the Text<br>string.                           |
| 4    | Terminal → USER | Display "<NO-ICON>" for the<br>prompt without the icon | Text string coding in unpacked format.  |
| 5    | USER → Terminal | Enter "+" and completion                               |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 6.1.1B                 | Command performed successfully, but<br>requested icon could not be displayed. |

TERMINAL RESPONSE: GET INPUT 6.1.1B

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

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



## PROACTIVE COMMAND: GET INPUT 6.2.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<BASIC-ICON>"

## Response length

Minimum length: 0  
 Maximum length: 10

## Icon Identifier

Icon qualifier: not self-explanatory  
 Icon identifier: 1 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0D | 04 | 3C | 42 | 41 | 53 | 49 | 43 | 2D | 49 | 43 | 4F |
|          | 4E | 3E | 91 | 02 | 00 | 0A | 1E | 02 | 01 | 01 |    |    |

## TERMINAL RESPONSE: GET INPUT 6.2.1A

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 6.2.1             |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 6.2.1                     | BASIC-ICON non self-explanatory for the Text<br>string.                       |
| 4    | Terminal → USER | Display "<BASIC-ICON>" for the<br>prompt without the icon | Text string coding in unpacked format.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion                     |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 6.2.1B                    | Command performed successfully, but<br>requested icon could not be displayed. |

TERMINAL RESPONSE: GET INPUT 6.2.1B

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 6.3.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 6.3.1         | COLOUR-ICON self-explanatory for the Text<br>string. |
| 4    | Terminal → USER | Display the COLOUR-ICON for<br>the prompt     | Text string coding in unpacked format.               |
| 5    | USER → Terminal | Enter the input "+" and<br>completion         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 6.3.1A        | Command performed successfully.                      |

PROACTIVE COMMAND: GET INPUT 6.3.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<NO-ICON>"

Response length

Minimum length: 0  
 Maximum length: 10

Icon Identifier

Icon qualifier: self-explanatory  
 Icon identifier: 2 (number of record in EF<sub>Img</sub>)

Coding:

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

TERMINAL RESPONSE: GET INPUT 6.3.1A

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 6.3.1          |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 6.3.1                  | COLOUR-ICON self-explanatory for the Text<br>string.                          |
| 4    | Terminal → USER | Display "<NO-ICON>" for the<br>prompt without the icon | Text string coding in unpacked format.  |
| 5    | USER → Terminal | Enter the input "+" and<br>completion                  |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 6.3.1B                 | Command performed successfully, but<br>requested icon could not be displayed. |

TERMINAL RESPONSE: GET INPUT 6.3.1B

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 6.4.1                            |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 6.4.1                                    | COLOUR-ICON non self-explanatory for the<br>Text string. |
| 4    | Terminal → USER | Display "<COLOUR-ICON>" and<br>Display the COLOUR-ICON for<br>the prompt | Text string coding in unpacked format.                   |
| 5    | USER → Terminal | Enter the input "+" and<br>completion                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 6.4.1A                                   | Command performed successfully.                          |

PROACTIVE COMMAND: GET INPUT 6.4.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "<COLOUR-ICON>"

Response length

Minimum length: 0  
 Maximum length: 10

Icon Identifier

Icon qualifier: not self-explanatory  
 Icon identifier: 2 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0E | 04 | 3C | 43 | 4F | 4C | 4F | 55 | 52 | 2D | 49 | 43 |
|          | 4F | 4E | 3E | 91 | 02 | 00 | 0A | 1E | 02 | 01 | 02 |    |

TERMINAL RESPONSE: GET INPUT 6.4.1A

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 6.4.1           |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 6.4.1                      | COLOUR-ICON non self-explanatory for the Text string.                      |
| 4    | Terminal → USER | Display "<COLOUR-ICON>" for the prompt without the icon | Text string coding in unpacked format.                                     |
| 5    | USER → Terminal | Enter the input "+" and completion                      |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 6.4.1B                     | Command performed successfully, but requested icon could not be displayed. |

TERMINAL RESPONSE: GET INPUT 6.4.1B

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Text string

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 8D | 02 | 04 | 2B |    |    |    |    |    |    |    |    |

**27.22.4.3.6.5 Test Requirement**

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

**27.22.4.3.7.3 Test purpose**

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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, Terminal to echo text, Terminal supporting 8 bit data Message, help information available)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 7.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 7.1.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, help information available. |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5<br>Text string coding in unpacked format.                                   |
| 5    | USER → Terminal | Press "help"                                  |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 7.1.1         | Command performed, help information required by user.   |

PROACTIVE COMMAND: GET INPUT 7.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text, help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

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

## TERMINAL RESPONSE: GET INPUT 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text, help information available

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Help information required by the user

Coding:

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

## 27.22.4.3.7.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

## 27.22.4.3.8.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.1.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.   |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with left alignment.   |
| 5    | USER → Terminal | Enter the input "12345" and completion        |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.1.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.1.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.1.2         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.  |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted without left alignment. Remark: If left alignment is the Terminal's default alignment as declared in table A.2/7, no alignment change will take place. |
| 11   | USER → Terminal | Enter the input "22222" and completion        |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.1.2         | Command performed successfully.   |

**PROACTIVE COMMAND: GET INPUT 8.1.1**

## Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 00 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

PROACTIVE COMMAND: GET INPUT 8.1.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 8.1.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

27.22.4.3.8.1.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

27.22.4.3.8.2.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.2.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.2.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.   |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with center alignment.   |
| 5    | USER → Terminal | Enter the input "12345" and completion        |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.2.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.2.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.2.2         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.  |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted without center alignment. Remark: If center alignment is the Terminal's default alignment as declared in table A.2/7, no alignment change will take place. |
| 11   | USER → Terminal | Enter the input "22222" and completion        |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.2.2         | Command performed successfully.   |

**PROACTIVE COMMAND: GET INPUT 8.2.1**

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## Text Attribute

Formatting position: 0  
 Formatting length: 11  
 Formatting mode: Centre Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 01 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.2.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

PROACTIVE COMMAND: GET INPUT 8.2.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

## Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INPUT 8.2.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

## 27.22.4.3.8.2.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

## 27.22.4.3.8.3.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.3.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.3.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.   |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with right alignment.  |
| 5    | USER → Terminal | Enter the input "12345" and completion        |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.3.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.3.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.3.2         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.  |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted without right alignment. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/7, no alignment change will take place. |
| 11   | USER → Terminal | Enter the input "22222" and completion        |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.3.2         | Command performed successfully.   |

**PROACTIVE COMMAND: GET INPUT 8.3.1**

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 02 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.3.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

PROACTIVE COMMAND: GET INPUT 8.3.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

## Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |



## TERMINAL RESPONSE: GET INPUT 8.3.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

## 27.22.4.3.8.3.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

## 27.22.4.3.8.4.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.4.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.4.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                                |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with large font<br>size. |
| 5    | USER → Terminal | Enter the input "12345" and<br>completion     |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.4.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.4.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.4.2         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                                |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted with normal font<br>size.  |
| 11   | USER → Terminal | Enter the input "22222" and<br>completion     |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.4.2         | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.4.1 |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.4.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                                |
| 16   | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with large font<br>size. |
| 17   | USER → Terminal | Enter the input "12345" and<br>completion     |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.4.1         | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.4.3 |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.4.3         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, no text<br>attribute.                          |
| 22   | Terminal → USER | Display "Enter 33333"                         | Message shall be formatted with normal font<br>size.  |
| 23   | USER → Terminal | Enter the input "33333" and<br>completion     |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.4.3         | Command performed successfully.   |

## PROACTIVE COMMAND: GET INPUT 8.4.1

Logically:

## Command details

Command number: 1  
Command type: GET INPUT  
Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked  
format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 04 | B4 |    |

## TERMINAL RESPONSE: GET INPUT 8.4.1

## Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

## Coding:

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

## PROACTIVE COMMAND: GET INPUT 8.4.2

## Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 00 | B4 |    |

## TERMINAL RESPONSE: GET INPUT 8.4.2

## Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

## PROACTIVE COMMAND: GET INPUT 8.4.3

## Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
Text: "Enter 33333"

## Response length

Minimum length: 5  
Maximum length: 5

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 33 | 33 | 33 | 33 |
|          | 33 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INPUT 8.4.3

## Logically:

## Command details

Command number: 1  
Command type: GET INPUT

Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
Text: "33333"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 33 | 33 | 33 | 33 | 33 |    |    |    |    |

## 27.22.4.3.8.4.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

## 27.22.4.3.8.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.5.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.5.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                                |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with small font<br>size. |
| 5    | USER → Terminal | Enter the input "12345" and<br>completion     |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.5.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.5.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.5.2         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                                |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted with normal font<br>size.  |
| 11   | USER → Terminal | Enter the input "22222" and<br>completion     |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.5.2         | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.5.1 |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.5.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                                |
| 16   | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with small font<br>size. |
| 17   | USER → Terminal | Enter the input "12345" and<br>completion     |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.5.1         | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.5.3 |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.5.3         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, no text<br>attribute.                          |
| 22   | Terminal → USER | Display "Enter 33333"                         | Message shall be formatted with normal font<br>size.  |
| 23   | USER → Terminal | Enter the input "33333" and<br>completion     |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.5.3         | Command performed successfully.   |

## PROACTIVE COMMAND: GET INPUT 8.5.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 08 | B4 |    |

## TERMINAL RESPONSE: GET INPUT 8.5.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

## PROACTIVE COMMAND: GET INPUT 8.5.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 00 | B4 |    |

## TERMINAL RESPONSE: GET INPUT 8.5.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |



## PROACTIVE COMMAND: GET INPUT 8.5.3

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 33333"

## Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 33 | 33 | 33 | 33 |
|          | 33 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INPUT 8.5.3

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "33333"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 33 | 33 | 33 | 33 | 33 |    |    |    |    |

## 27.22.4.3.8.5.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

## 27.22.4.3.8.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.6.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.6.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                     |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with bold on. |
| 5    | USER → Terminal | Enter the input "12345" and<br>completion     |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.6.1         | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.6.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.6.2         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                     |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted with bold off.  |
| 11   | USER → Terminal | Enter the input "22222" and<br>completion     |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.6.2         | Command performed successfully.  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.6.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.6.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                     |
| 16   | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with bold on. |
| 17   | USER → Terminal | Enter the input "12345" and<br>completion     |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.6.1         | Command performed successfully.  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.6.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.6.3         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, no text<br>attribute.               |

| Step | Direction       | Message/Action                         | Comments                                  |
|------|-----------------|--|---|
| 22   | Terminal → USER | Display "Enter 33333"                  | Message shall be formatted with bold off. |
| 23   | USER → Terminal | Enter the input "33333" and completion |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 8.6.3     | Command performed successfully.           |

## PROACTIVE COMMAND: GET INPUT 8.6.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 10 | B4 |    |

## TERMINAL RESPONSE: GET INPUT 8.6.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

PROACTIVE COMMAND: GET INPUT 8.6.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 00 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.6.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

## PROACTIVE COMMAND: GET INPUT 8.6.3

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 33333"

## Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 33 | 33 | 33 | 33 |
|          | 33 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INPUT 8.6.3

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "33333"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 33 | 33 | 33 | 33 | 33 |    |    |    |    |

## 27.22.4.3.8.6.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

## 27.22.4.3.8.7.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.7.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.7.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                       |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with italic on. |
| 5    | USER → Terminal | Enter the input "12345" and<br>completion     |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.7.1         | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.7.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.7.2         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                       |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted with italic off.  |
| 11   | USER → Terminal | Enter the input "22222" and<br>completion     |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.7.2         | Command performed successfully.  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.7.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.7.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                       |
| 16   | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with italic on. |

| Step | Direction       | Message/Action                             | Comments   |
|------|-----------------|--|--|
| 17   | USER → Terminal | Enter the input "12345" and completion     |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 8.7.1         | Command performed successfully.  |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: GET INPUT 8.7.2 |  |
| 20   | Terminal → UICC | FETCH                                      |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 8.7.3         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute. |
| 22   | Terminal → USER | Display "Enter 33333"                      | Message shall be formatted with italic off.  |
| 23   | USER → Terminal | Enter the input "33333" and completion     |  |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 8.7.3         | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 8.7.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

Response length

Minimum length: 5  
 Maximum length: 5

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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 20 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.7.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

PROACTIVE COMMAND: GET INPUT 8.7.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

Response length

Minimum length: 5  
 Maximum length: 5

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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 00 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.7.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC



Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

PROACTIVE COMMAND: GET INPUT 8.7.3

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 33333"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 33 | 33 | 33 | 33 |
|          | 33 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 8.7.3

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "33333"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 33 | 33 | 33 | 33 | 33 |    |    |    |    |

#### 27.22.4.3.8.7.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

##### 27.22.4.3.8.8.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.8.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.8.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                          |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with underline on. |
| 5    | USER → Terminal | Enter the input "12345" and<br>completion     |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.8.1         | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.8.2 |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.8.2         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                          |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted with underline off.  |
| 11   | USER → Terminal | Enter the input "22222" and<br>completion     |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.8.2         | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.8.1 |   |

| Step | Direction       | Message/Action                             | Comments  |
|------|-----------------|--|---|
| 14   | Terminal → UICC | FETCH                                      |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 8.8.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.                       |
| 16   | Terminal → USER | Display "Enter 12345"                      | Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with underline on. |
| 17   | USER → Terminal | Enter the input "12345" and completion     |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 8.8.1         | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: GET INPUT 8.8.3 |   |
| 20   | Terminal → UICC | FETCH                                      |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 8.8.3         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.                    |
| 22   | Terminal → USER | Display "Enter 33333"                      | Message shall be formatted with underline off.  |
| 23   | USER → Terminal | Enter the input "33333" and completion     |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 8.8.3         | Command performed successfully.   |

## PROACTIVE COMMAND: GET INPUT 8.8.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 40 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.8.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

PROACTIVE COMMAND: GET INPUT 8.8.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

Response length

Minimum length: 5  
 Maximum length: 5

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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 00 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.8.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

PROACTIVE COMMAND: GET INPUT 8.8.3

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 33333"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 33 | 33 | 33 | 33 |
|          | 33 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 8.8.3

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "33333"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 33 | 33 | 33 | 33 | 33 |    |    |    |    |

27.22.4.3.8.8.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

27.22.4.3.8.9.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.9.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 8.9.1            | Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.                           |
| 4    | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with strikethrough on. |
| 5    | USER → Terminal | Enter the input "12345" and completion        |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 8.9.1            | Command performed successfully.   |

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.9.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.9.2         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                                 |
| 10   | Terminal → USER | Display "Enter 22222"                         | Message shall be formatted with strikethrough<br>off.  |
| 11   | USER → Terminal | Enter the input "22222" and<br>completion     |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.9.2         | Command performed successfully.  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.9.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.9.1         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, text attribute.                                 |
| 16   | Terminal → USER | Display "Enter 12345"                         | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with strikethrough<br>on. |
| 17   | USER → Terminal | Enter the input "12345" and<br>completion     |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.9.1         | Command performed successfully.  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.9.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.9.3         | Digits only, SMS default alphabet, Terminal to<br>echo text, packing not required, no text<br>attribute.                           |
| 22   | Terminal → USER | Display "Enter 33333"                         | Message shall be formatted with strikethrough<br>off.  |
| 23   | USER → Terminal | Enter the input "33333" and<br>completion     |  |
| 24   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.9.3         | Command performed successfully.  |

## PROACTIVE COMMAND: GET INPUT 8.9.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked  
 format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 80 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.9.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

PROACTIVE COMMAND: GET INPUT 8.9.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

Response length

Minimum length: 5  
 Maximum length: 5

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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 00 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.9.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

PROACTIVE COMMAND: GET INPUT 8.9.3

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 33333"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 33 | 33 | 33 | 33 |
|          | 33 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET INPUT 8.9.3

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "33333"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 33 | 33 | 33 | 33 | 33 |    |    |    |    |

## 27.22.4.3.8.9.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2, 8.15.3 and 8.70.

## 27.22.4.3.8.10.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                 | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.10.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.10.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.  |
| 4    | Terminal → USER | Display "Enter 12345"                          | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted according to foreground and background colour text attribute configuration. |
| 5    | USER → Terminal | Enter the input "12345" and completion         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.10.1         | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 8.10.2 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 8.10.2         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.   |
| 10   | Terminal → USER | Display "Enter 22222"                          | Range of expected length is 5-5,<br>Text string coding in unpacked format,<br>Message shall be formatted with the Terminal's default foreground and background.                      |
| 11   | USER → Terminal | Enter the input "22222" and completion         |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 8.10.2         | Command performed successfully.  |

## PROACTIVE COMMAND: GET INPUT 8.10.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 12345"

## Response length

Minimum length: 5  
 Maximum length: 5

## 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 | 21 | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 31 | 32 | 33 | 34 |
|          | 35 | 91 | 02 | 05 | 05 | D0 | 04 | 00 | 0B | 00 | B4 |    |

TERMINAL RESPONSE: GET INPUT 8.10.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "12345"

Coding:

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

PROACTIVE COMMAND: GET INPUT 8.10.2

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter 22222"

## Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 0C | 04 | 45 | 6E | 74 | 65 | 72 | 20 | 32 | 32 | 32 | 32 |
|          | 32 | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 8.10.2

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: digits (0-9, \*, # and +) only, SMS default alphabet, input in unpacked format, Terminal to echo text

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "22222"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 06 | 04 | 32 | 32 | 32 | 32 | 32 |    |    |    |    |

27.22.4.3.8.10.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally the Terminal shall support the UCS2 facility for the coding of the Chinese character, as defined in the following technical specifications: ISO/IEC 10646 [2].

27.22.4.3.9.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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 in Chinese, successful)**

| Step | Direction       | Message/Action                                | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 9.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 9.1.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "你好"                                  | Range of expected length is 5-5<br>Text string "Hello" in Chinese coding in 16 bits UCS2 alphabet format.      |
| 5    | USER → Terminal | Enter the input "HELLO" and completion        |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 9.1.1         | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 9.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: 16 bit data UCS2 alphabet format  
 Text: "你好"

Response length

Minimum length: 5  
 Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 23 | 01 | 82 | 02 | 81 | 82 | 8D |
|          | 05 | 08 | 4F | 60 | 59 | 7D | 91 | 02 | 05 | 05 |    |    |

TERMINAL RESPONSE: GET INPUT 9.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
Text: "HELLO"

Coding:

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

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 9.2.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 9.2.1   | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display<br>"你好"<br>"你好"<br>"你好"<br>"你好"<br>"你好"<br>"你好你好你好"<br>"你好你好" | Range of expected length is 5-5<br>Text string length 70 characters, coding in 16 bits UCS2 alphabet format    |
| 5    | USER → Terminal | Enter the input "HELLO" and completion  |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 9.2.1   | Command performed successfully.  |

PROACTIVE COMMAND: GET INPUT 9.2.1

Logically:

Command details

Command number: 1  
Command type: GET INPUT  
Command qualifier: alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: UICC  
Destination device: Terminal

Text String

Data coding scheme: 16 bit data UCS2 alphabet format  
Text: "你好"  
"你好"  
"你好"  
"你好"  
"你好"  
"你好你好你好"  
"你好你好"

Response length

Minimum length: 5  
Maximum length: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | 9D | 81 | 03 | 01 | 23 | 01 | 82 | 02 | 81 | 82 |
|          | 8D | 81 | 8D | 08 | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D | 4F | 60 | 59 | 7D |
|          | 91 | 02 | 05 | 05 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET INPUT 9.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: unpacked, 8 bit data  
 Text: "HELLO"

Coding:

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

27.22.4.3.9.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally the Terminal shall support the UCS2 facility for the coding of the Chinese character, as defined in ISO/IEC 10646 [2].



## 27.22.4.3.10.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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 in Chinese, successful)**

| Step | Direction       | Message/Action                                 | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 10.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 10.1.1         | Character set, UCS2 alphabet, Terminal to<br>echo text, packing not required, no help<br>information available. |
| 4    | Terminal → USER | Display "Enter Hello"                          | Range of expected length is 2-2<br>Text string coding in unpacked format  |
| 5    | USER → Terminal | Enter the input "你好"<br>and completion         | "Hello" in Chinese, coding in UCS2 format   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 10.1.1         | Command performed successfully.   |

## PROACTIVE COMMAND: GET INPUT 10.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to  
 echo text, no help information available

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter Hello"

## Response length

Minimum length: 2  
 Maximum length: 2

Coding:

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

TERMINAL RESPONSE: GET INPUT 10.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: UCS2  
 Text: "你好"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 05 | 08 | 4F | 60 | 59 | 7D |    |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 10.2.1   |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 10.2.1  | Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display<br>"Enter Hello"   | Range of expected length is no limit<br>Text string coding in unpacked format.                            |
| 5    | USER → Terminal | Enter the input<br>"你好" and completion | Input length 70 characters, coding in UCS2 format.  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 10.2.1  | Command performed successfully.   |

PROACTIVE COMMAND: GET INPUT 10.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available



## 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 Terminal shall support the GET INPUT command as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally the Terminal shall support the UCS2 facility for the coding of the Katakana character, as defined in the following technical specifications: ISO/IEC 10646 [2].

## 27.22.4.3.11.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action                                 | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 11.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 11.1.1         | Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "ル"                                    | Range of expected length is 5-5<br>Text string character in Katakana coding in 16 bits UCS2 alphabet format.   |
| 5    | USER → Terminal | Enter the input "HELLO" and completion         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 11.1.1         | Command performed successfully.  |

## PROACTIVE COMMAND: GET INPUT 11.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text, no help information available





Text string

Data coding scheme: unpacked, 8 bit data  
Text: "HELLO"

Coding:

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

#### 27.22.4.3.11.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.11, 8.15, 8.15.1, 8.15.2 and 8.15.3.

Additionally the Terminal shall support the UCS2 facility for the coding of the Katakana character, as defined in ISO/IEC 10646 [2].

##### 27.22.4.3.12.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)

| Step | Direction       | Message/Action                                 | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 12.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 12.1.1         | Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available. |
| 4    | Terminal → USER | Display "Enter Hello"                          | Range of expected length is 2-2<br>Text string coding in unpacked format.                                 |
| 5    | USER → Terminal | Enter the input "ルルル"<br>and completion        | Characters in Katakana, coding in UCS2 format.  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 12.1.1         | Command performed successfully.   |

PROACTIVE COMMAND: GET INPUT 12.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter Hello"

Response length

Minimum length: 2  
 Maximum length: 2

Coding:

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

TERMINAL RESPONSE: GET INPUT 12.1.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Text string

Data coding scheme: UCS2  
 Text: "ルル"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 23 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 8D | 05 | 08 | 30 | EB | 30 | EB |    |    |    |    |    |



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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: GET INPUT 12.2.1   |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET<br>INPUT 12.2.1   | Character set, UCS2 alphabet, Terminal to<br>echo text, packing not required, no help<br>information available. |
| 4    | Terminal → USER | Display<br>"Enter Hello"   | Range of expected length is no limit<br>Text string coding in unpacked format.                                  |
| 5    | USER → Terminal | Enter the input<br>"ルルルルルルルルルルル<br>ルルルルルルルルルルル<br>ルルルルルルルルルルル<br>ルルルルルルルルルルル<br>ルルルルルルルルルルル<br>and completion" | Input length 70 characters, coding in UCS2<br>format.   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: GET<br>INPUT 12.2.1   | Command performed successfully.   |

PROACTIVE COMMAND: GET INPUT 12.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Enter Hello"

Response length

Minimum length: 5  
 Maximum length: No maximum length requirement

Coding:

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

TERMINAL RESPONSE: GET INPUT 12.2.1

Logically:

Command details

Command number: 1  
 Command type: GET INPUT  
 Command qualifier: character set, UCS2 alphabet, input in unpacked format, Terminal to echo text, no help information available



## 27.22.4.4.4.2 Procedure

**Expected Sequence 1.1 (MORE TIME)**

| Step | Direction       | Message/Action                                | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: MORE TIME 1.1.1 |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: MORE<br>TIME 1.1.1         |                                 |
| 4    | Terminal → UICC | TERMINAL RESPONSE: MORE<br>TIME 1.1.1         | Command performed successfully. |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED               |                                 |

## PROACTIVE COMMAND: MORE TIME 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: MORE TIME  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

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

## TERMINAL RESPONSE: MORE TIME 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: MORE TIME  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.4.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16 and 8.8.

## 27.22.4.5.1.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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 → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 1.1.1  |                                 |
| 2    | Terminal → UICC | FETCH  |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 1.1.1  |                                 |
| 4    | Terminal → USER | Display "Dial Tone"<br><br>Play a standard supervisory dial<br>tone through the external ringer for<br>a duration of 5 s |                                 |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 1.1.1  | Command performed successfully. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |                                 |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 1.1.2  |                                 |
| 8    | Terminal → UICC | FETCH  |                                 |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 1.1.2  |                                 |
| 10   | Terminal → USER | Display "Sub. Busy"<br><br>Play a standard supervisory called<br>subscriber busy tone for a duration<br>of 5 s           |                                 |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 1.1.2  | Command performed successfully. |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |                                 |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 1.1.3  |                                 |
| 14   | Terminal → UICC | FETCH  |                                 |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 1.1.3  |                                 |

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 16   | Terminal → USER | Display "Congestion"<br><br>Play a standard supervisory congestion tone for a duration of 5 s                       |                                 |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.3  | Command performed successfully. |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |                                 |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4  |                                 |
| 20   | Terminal → UICC | FETCH   |                                 |
| 21   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.4  |                                 |
| 22   | Terminal → USER | Display "RP Ack"<br><br>Play a standard supervisory radio path acknowledgement tone                                 |                                 |
| 23   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.4  | Command performed successfully. |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |                                 |
| 25   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.5  |                                 |
| 26   | Terminal → UICC | FETCH   |                                 |
| 27   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.5  |                                 |
| 28   | Terminal → USER | Display "No RP"<br><br>Play a standard supervisory radio path not available/call dropped tone for a duration of 5 s |                                 |
| 29   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.5  | Command performed successfully. |
| 30   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |                                 |
| 31   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.6  |                                 |
| 32   | Terminal → UICC | FETCH   |                                 |
| 33   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.6  |                                 |
| 34   | Terminal → USER | Display "Spec Info"<br><br>Play a standard supervisory error/special information tone for a duration of 5 s         |                                 |
| 35   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.6  | Command performed successfully. |
| 36   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |                                 |
| 37   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.7  |                                 |
| 38   | Terminal → UICC | FETCH   |                                 |
| 39   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.7  |                                 |
| 40   | Terminal → USER | Display "Call Wait"<br><br>Play a standard supervisory call waiting tone for a duration of 5 s                      |                                 |
| 41   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.7  | Command performed successfully. |
| 42   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |                                 |
| 43   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.8  |                                 |

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 44   | Terminal → UICC | FETCH  |  |
| 45   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.8   |  |
| 46   | Terminal → USER | Display "Ring Tone"<br><br>Play a standard supervisory ringing tone for duration of 5 s  |  |
| 47   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.8   | Command performed successfully.  |
| 48   | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |  |
| 49   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.9   |  |
| 50   | Terminal → UICC | FETCH  |  |
| 51   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.9   |  |
| 52   | Terminal → 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"<br><br>Play a general beep |  |
| 53   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.9a<br>or<br>TERMINAL RESPONSE: PLAY TONE 1.1.9b   | Command performed successfully.<br><br>or<br>Command beyond Terminal's capabilities. |
| 54   | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |  |
| 55   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.10  |  |
| 56   | Terminal → UICC | FETCH  |  |
| 57   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.10  |  |
| 58   | Terminal → USER | Display "Beep"<br><br>Play a Terminal proprietary general beep   |  |
| 59   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.10a<br>Or<br>TERMINAL RESPONSE: PLAY TONE 1.1.10b   | Command performed successfully.<br><br>or<br>Command beyond Terminal's capabilities. |
| 60   | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |  |
| 61   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.11  |  |
| 62   | Terminal → UICC | FETCH  |  |
| 63   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.11  |  |
| 64   | Terminal → USER | Display "Positive"<br><br>Play a Terminal proprietary positive acknowledgement tone  |  |
| 65   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.11a<br>or<br>TERMINAL RESPONSE: PLAY TONE 1.1.11b   | Command performed successfully.<br><br>or<br>Command beyond Terminal's capabilities. |
| 66   | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |  |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 67   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 1.1.12  |  |
| 68   | Terminal → UICC | FETCH   |  |
| 69   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 1.1.12  |  |
| 70   | Terminal → USER | Display "Negative"<br><br>Play a Terminal proprietary<br>negative acknowledgement tone                                    |  |
| 71   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 1.1.12a<br>or<br>TERMINAL RESPONSE: PLAY<br>TONE 1.1.12b                                  | Command performed successfully.<br><br>or<br>Command beyond Terminal's capabilities.   |
| 72   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 73   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 1.1.13  |  |
| 74   | Terminal → UICC | FETCH   |  |
| 75   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 1.1.13  |  |
| 76   | Terminal → USER | Display "Quick"<br><br>Play a Terminal proprietary<br>general beep  |  |
| 77   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 1.1.13a<br>or<br>TERMINAL RESPONSE: PLAY<br>TONE 1.1.13b                                  | Command performed successfully.<br><br>or<br>Command beyond Terminal's capabilities.   |
| 78   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 79   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 1.1.14  |  |
| 80   | Terminal → UICC | FETCH   |  |
| 81   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 1.1.14  |  |
| 82   | Terminal → USER | Display "<ABORT>"<br><br>Play a Terminal Error/Special<br>information tone for 1 minute until<br>user aborts this command |  |
| 83   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 1.1.14  | Proactive UICC session terminated by the<br>user.  |
| 84   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 85   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 1.1.15  |  |
| 86   | Terminal → UICC | FETCH   |  |
| 87   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 1.1.15  | No alpha identifier, no tone tag, no duration<br>tag.  |
| 88   | Terminal → User | Terminal plays general beep, or if<br>not supported any (defined by<br>Terminal-manufacturer) other<br>supported tone     | Terminal uses default duration defined by<br>Terminal-manufacturer.  |
| 89   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 1.1.15  | Command performed successfully, Terminal<br>uses general beep, or if not supported any<br>(defined by Terminal-manufacturer) other<br>supported tone, uses default duration defined<br>by Terminal-manufacturer. |
| 90   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |

## PROACTIVE COMMAND: PLAY TONE 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Dial Tone"  
 Tone: Standard supervisory tones: dial tone

## Duration

Time unit: Seconds  
 Time interval: 5

Coding:

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

## PROACTIVE COMMAND: PLAY TONE 1.1.2

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Sub. Busy"  
 Tone: Standard supervisory tones: called subscriber busy

## Duration

Time unit: Seconds  
 Time interval: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 09 | 53 | 75 | 62 | 2E | 20 | 42 | 75 | 73 | 79 | 8E | 01 |
|          | 02 | 84 | 02 | 01 | 05 |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.3

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Congestion"  
 Tone: Standard supervisory tones: congestion



Duration

Time unit: Seconds  
 Time interval: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 0A | 43 | 6F | 6E | 67 | 65 | 73 | 74 | 69 | 6F | 6E | 8E |
|          | 01 | 03 | 84 | 02 | 01 | 05 |    |    |    |    |    |    |

PROACTIVE COMMAND: PLAY TONE 1.1.4

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "RP Ack"  
 Tone: Standard supervisory tones: radio path acknowledge

Duration

Time unit: Seconds  
 Time interval: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 18 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 06 | 52 | 50 | 20 | 41 | 63 | 6B | 8E | 01 | 04 | 84 | 02 |
|          | 01 | 05 |    |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: PLAY TONE 1.1.5

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "No RP"  
 Tone: Standard supervisory tones: radio path not available

Duration

Time unit: Seconds  
 Time interval: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 17 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 05 | 4E | 6F | 20 | 52 | 50 | 8E | 01 | 05 | 84 | 02 | 01 |
|          | 05 |    |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.6

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Spec Info"  
 Tone: Standard supervisory tones: Error/ special information

## Duration

Time unit: Seconds  
 Time interval: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 09 | 53 | 70 | 65 | 63 | 20 | 49 | 6E | 66 | 6F | 8E | 01 |
|          | 06 | 84 | 02 | 01 | 05 |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.7

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Call Wait"  
 Tone: Standard supervisory tones: call waiting tone

## Duration

Time unit: Seconds  
 Time interval: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 09 | 43 | 61 | 6C | 6C | 20 | 57 | 61 | 69 | 74 | 8E | 01 |
|          | 07 | 84 | 02 | 01 | 05 |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.8

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Ring Tone"  
 Tone: Standard supervisory tones: ringing tone

## Duration

Time unit: Seconds  
 Time interval: 5

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 09 | 52 | 69 | 6E | 67 | 20 | 54 | 6F | 6E | 65 | 8E | 01 |
|          | 08 | 84 | 02 | 01 | 05 |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.9

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "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"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | FD | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 |
|          | 85 | 81 | F1 | 54 | 68 | 69 | 73 | 20 | 63 | 6F | 6D | 6D |
|          | 61 | 6E | 64 | 20 | 69 | 6E | 73 | 74 | 72 | 75 | 63 | 74 |
|          | 73 | 20 | 74 | 68 | 65 | 20 | 4D | 45 | 20 | 74 | 6F | 20 |
|          | 70 | 6C | 61 | 79 | 20 | 61 | 6E | 20 | 61 | 75 | 64 | 69 |
|          | 6F | 20 | 74 | 6F | 6E | 65 | 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 | 63 | 68 | 65 | 63 | 6B | 20 | 69 | 66 | 20 | 69 |
|          | 74 | 20 | 69 | 73 | 20 | 63 | 75 | 72 | 72 | 65 | 6E | 74 |
|          | 6C | 79 | 20 | 69 | 6E | 2C | 20 | 6F | 72 | 20 | 69 | 6E |
|          | 20 | 74 | 68 | 65 | 20 | 70 | 72 | 6F | 63 | 65 | 73 | 73 |
|          | 20 | 6F | 66 | 20 | 73 | 65 | 74 | 74 | 69 | 6E | 67 | 20 |
|          | 75 | 70 | 20 | 28 | 53 | 45 | 54 | 2D | 55 | 50 | 20 | 6D |
|          | 65 | 73 | 73 | 61 | 67 | 65 | 20 | 73 | 65 | 6E | 74 | 20 |
|          | 74 | 6F | 20 | 74 | 68 | 65 | 20 | 6E | 65 | 74 | 77 | 6F |
|          | 72 | 6B | 2C | 20 | 73 | 65 | 65 | 20 | 47 | 53 | 4D | 22 |
|          | 30 | 34 | 2E | 30 | 38 | 22 | 28 | 38 | 29 | 29 | 2C | 20 |
|          | 61 | 20 | 73 | 70 | 65 | 65 | 63 | 68 | 20 | 63 | 61 | 6C |
|          | 6C | 2E | 20 | 2D | 20 | 49 | 66 | 20 | 74 | 68 | 65 | 20 |
|          | 4D | 45 | 20 | 49 |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.10

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Beep"  
 Tone: Terminal proprietary tones: general beep

## Duration

Time unit: Seconds  
 Time interval: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 16 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 04 | 42 | 65 | 65 | 70 | 8E | 01 | 10 | 84 | 02 | 01 | 01 |

## PROACTIVE COMMAND: PLAY TONE 1.1.11

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Positive"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 08 | 50 | 6F | 73 | 69 | 74 | 69 | 76 | 65 | 8E | 01 | 11 |
|          | 84 | 02 | 01 | 01 |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.12

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Negative"  
 Tone: Terminal proprietary tones: negative acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 08 | 4E | 65 | 67 | 61 | 74 | 69 | 76 | 65 | 8E | 01 | 12 |
|          | 84 | 02 | 01 | 01 |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.13

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "Quick"  
 Tone: Terminal proprietary tones: general beep

## Duration

Time unit: Tenths of seconds  
 Time interval: 2

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 17 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 05 | 51 | 75 | 69 | 63 | 6B | 8E | 01 | 10 | 84 | 02 | 02 |
|          | 02 |    |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 1.1.14

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha identifier: "<ABORT>"  
 Tone: Standard supervisory tones: Error/Special information

## Duration

Time unit: Minutes  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 07 | 3C | 41 | 42 | 4F | 52 | 54 | 3E | 8E | 01 | 06 | 84 |
|          | 02 | 00 | 01 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: PLAY TONE 1.1.15

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |  |
|----------|----|----|----|----|----|----|----|----|----|----|----|--|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 |  |
|          |    |    |    |    |    |    |    |    |    |    |    |  |

TERMINAL RESPONSE: PLAY TONE 1.1.1... 1.1.8, 1.1.15

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

TERMINAL RESPONSE: PLAY TONE 1.1.9a... 1.1.13a

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

TERMINAL RESPONSE: PLAY TONE 1.1.9b..1.1.13b

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command beyond Terminal's capabilities

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 30 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PLAY TONE 1.1.14

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Proactive UICC session terminated by user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 10 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

#### 27.22.4.5.1.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.2, 8.16 and 8.8.

Additionally the Terminal shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in ISO/IEC 10646 [2].

##### 27.22.4.5.2.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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 Cyrillic, successful)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 2.1.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 2.1.1  | UCS2 alphabet.                                     |
| 4    | Terminal → USER | Display "ЗДРАВСТВУЙТЕ"<br>and play a Terminal proprietary<br>positive acknowledgement tone | "Hello" in Russian, 0x80 coding of UCS2<br>format. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 2.1.1  | Command performed successfully.                    |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 2.1.2  |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 2.1.2  | UCS2 alphabet.                                     |
| 10   | Terminal → USER | Display "ЗДРАВСТВУЙТЕ"<br>and play a Terminal proprietary<br>positive acknowledgement tone | "Hello" in Russian, 0x81 coding of UCS2<br>format. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 2.1.1  | Command performed successfully.                    |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 2.1.3  |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 2.1.3  | UCS2 alphabet.                                     |
| 16   | Terminal → USER | Display "ЗДРАВСТВУЙТЕ"<br>and play a Terminal proprietary<br>positive acknowledgement tone | "Hello" in Russian, 0x82 coding of UCS2<br>format. |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 2.1.1  | Command performed successfully.                    |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |

PROACTIVE COMMAND: PLAY TONE 2.1.1

Logically:

Command details

Command number: 1  
Command type: PLAY TONE  
Command qualifier: "00"



## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier "ЗДРАВСТВУЙТЕ"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2B | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 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 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 2.1.2

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier "ЗДРАВСТВУЙТЕ"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 0F | 81 | 0C | 08 | 97 | 94 | A0 | 90 | 92 | A1 | A2 | 92 |
|          | A3 | 99 | A2 | 95 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |    |

## PROACTIVE COMMAND: PLAY TONE 2.1.3

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier "ЗДРАВСТВУЙТЕ"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 82 | 0C | 04 | 10 | 87 | 84 | 90 | 80 | 82 | 91 | 92 |
|          | 82 | 93 | 89 | 92 | 85 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

TERMINAL RESPONSE: PLAY TONE 2.1.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.5.2.5 Test requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8 and 8.31.

27.22.4.5.3.3 Test purpose

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

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments                        |
|------|-----------------|--|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 3.1.1  |                                 |
| 2    | Terminal → UICC | FETCH  |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 3.1.1  | BASIC-ICON self-explanatory.    |
| 4    | Terminal → USER | Display the basic icon without the<br>alpha identifier<br><br>Play a Terminal proprietary<br>positive acknowledgement tone |                                 |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 3.1.1A   | Command performed successfully. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |                                 |

## PROACTIVE COMMAND: PLAY TONE 3.1.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "<BASIC-ICON>"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Icon Identifier

Icon qualifier: self-explanatory  
 Icon identifier: 1 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 0C | 3C | 42 | 41 | 53 | 49 | 43 | 2D | 49 | 43 | 4F | 4E |
|          | 3E | 8E | 01 | 11 | 84 | 02 | 01 | 01 | 1E | 02 | 00 | 01 |

## TERMINAL RESPONSE: PLAY TONE 3.1.1A

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 3.1.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 3.1.1  | BASIC-ICON self-explanatory.  |
| 4    | Terminal → USER | Display "<BASIC-ICON>" without<br>the icon<br><br>Play a Terminal proprietary<br>positive acknowledgement tone |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 3.1.1B   | Command performed successfully, but<br>requested icon could not be displayed. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |

## TERMINAL RESPONSE: PLAY TONE 3.1.1B

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

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

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

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

| Step | Direction       | Message/Action   | Comments                         |
|------|-----------------|--|----------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 3.2.1  |                                  |
| 2    | Terminal → UICC | FETCH  |                                  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 3.2.1   | BASIC-ICON non self-explanatory. |
| 4    | Terminal → USER | Display "<BASIC-ICON>" and the basic icon<br><br>Play a Terminal proprietary positive acknowledgement tone |                                  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 3.2.1A  | Command performed successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |                                  |

**PROACTIVE COMMAND: PLAY TONE 3.2.1**

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: '<BASIC-ICON>'  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

Icon Identifier

Icon qualifier: non self-explanatory  
 Icon identifier: 1 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 0C | 3C | 42 | 41 | 53 | 49 | 43 | 2D | 49 | 43 | 4F | 4E |
|          | 3E | 8E | 01 | 11 | 84 | 02 | 01 | 01 | 1E | 02 | 01 | 01 |

**TERMINAL RESPONSE: PLAY TONE 3.2.1A**

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 3.2.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 3.2.1  | BASIC-ICON non self-explanatory.  |
| 4    | Terminal → USER | Display "<BASIC-ICON>" without<br>the basic icon<br><br>Play a Terminal proprietary<br>positive acknowledgement tone |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 3.2.1B   | Command performed successfully, but<br>requested icon could not be displayed. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |

TERMINAL RESPONSE: PLAY TONE 3.2.1B

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

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

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 3.3.1   |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 3.3.1   | COLOUR-ICON self-explanatory.   |
| 4    | Terminal → USER | Display the COLOUR-ICON<br>without the alpha identifier<br><br>Play a Terminal proprietary<br>positive acknowledgement tone |                                 |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 3.3.1A  | Command performed successfully. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |                                 |

## PROACTIVE COMMAND: PLAY TONE 3.3.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier "<COLOUR-ICON>"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Icon Identifier

Icon qualifier: self-explanatory  
 Icon identifier: 2 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 0D | 3C | 43 | 4F | 4C | 4F | 55 | 52 | 2D | 49 | 43 | 4F |
|          | 4E | 3E | 8E | 01 | 11 | 84 | 02 | 01 | 01 | 1E | 02 | 00 |
|          | 02 |    |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: PLAY TONE 3.3.1A

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 3.3.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 3.3.1   | COLOUR-ICON self-explanatory.  |
| 4    | Terminal → USER | Display "<COLOUR-ICON>" without the colour icon<br><br>Play a Terminal proprietary positive acknowledgement tone |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 3.3.1B  | Command performed successfully, but requested icon could not be displayed. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |  |

TERMINAL RESPONSE: PLAY TONE 3.3.1B

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

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

| Step | Direction       | Message/Action   | Comments                          |
|------|-----------------|--|-----------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 3.4.1  |                                   |
| 2    | Terminal → UICC | FETCH  |                                   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 3.4.1   | COLOUR-ICON non self-explanatory. |
| 4    | Terminal → USER | Display "<COLOUR-ICON>" and the colour icon<br><br>Play a Terminal proprietary positive acknowledgement tone |                                   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 3.4.1A  | Command performed successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED   |                                   |



## PROACTIVE COMMAND: PLAY TONE 3.4.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "<COLOUR-ICON>"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Icon Identifier

Icon qualifier: not self-explanatory  
 Icon identifier: 2 (number of record in EF<sub>Img</sub>)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 0D | 3C | 43 | 4F | 4C | 4F | 55 | 52 | 2D | 49 | 43 | 4F |
|          | 4E | 3E | 8E | 01 | 11 | 84 | 02 | 01 | 01 | 1E | 02 | 01 |
|          | 02 |    |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: PLAY TONE 3.4.1A

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 3.4.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 3.4.1  | COLOUR-ICON non self-explanatory.   |
| 4    | Terminal → USER | Display "<COLOUR-ICON>"<br>without the colour icon<br><br>Play a Terminal proprietary<br>positive acknowledgement tone |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 3.4.1B   | Command performed successfully, but<br>requested icon could not be displayed. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |

TERMINAL RESPONSE: PLAY TONE 3.4.1B

Logically:

Command details

Command number: 1  
Command type: PLAY TONE  
Command qualifier: "00"

Device identities

Source device: Terminal  
Destination device: UICC

Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.5.3.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

27.22.4.5.4.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.1.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.1.1  |   |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with left<br>alignment.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.1.1  | Command performed successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.1.2  |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.1.2  |   |
| 10   | Terminal → USER | Display 'Text Attribute 2'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted without left<br>alignment. Remark: If left alignment is the<br>Terminal's default alignment as declared in<br>table A.2/8, no alignment change will take<br>place. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.1.1  | Command performed successfully.   |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |

PROACTIVE COMMAND: PLAY TONE 4.1.1

Logically:

##### Command details

Command number: 1  
Command type: PLAY TONE  
Command qualifier: "00"

##### Device identities

Source device: UICC  
Destination device: Earpiece  
Alpha Identifier: "Text Attribute 1"  
Tone: Terminal proprietary tones; positive acknowledgement tone

##### Duration

Time unit: Seconds  
Time interval: 1

## 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |    |    |

## TERMINAL RESPONSE: PLAY TONE 4.1.1

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## PROACTIVE COMMAND: PLAY TONE 4.1.2

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

## 27.22.4.5.4.1.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

## 27.22.4.5.4.2.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.2.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.2.1  |   |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with center<br>alignment.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.2.1  | Command performed successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.2.2  |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.2.2  |   |
| 10   | Terminal → USER | Display 'Text Attribute 2'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted without center<br>alignment. Remark: If center alignment is the<br>Terminal's default alignment as declared in<br>table A.2/8, no alignment change will take<br>place. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.2.1  | Command performed successfully.   |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |

## PROACTIVE COMMAND: PLAY TONE 4.2.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Text Attribute

Formatting position: 0  
 Formatting length: 16  
 Formatting mode: Centre Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 01 | B4 |    |    |    |    |    |    |

## TERMINAL RESPONSE: PLAY TONE 4.2.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## PROACTIVE COMMAND: PLAY TONE 4.2.2

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

|                     |   |
|---------------------|---|
| Source device:      | UICC  |
| Destination device: | Earpiece  |
| Alpha Identifier:   | "Text Attribute 2"  |
| Tone:               | Terminal proprietary tones: positive acknowledgement tone |

## Duration

|                |         |
|----------------|---------|
| Time unit:     | Seconds |
| Time interval: | 1       |

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

## 27.22.4.5.4.2.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

## 27.22.4.5.4.3.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.3.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.3.1  |   |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with right<br>alignment. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.3.1  | Command performed successfully.                     |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 4.3.2  |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 4.3.2  |   |
| 4    | Terminal → USER | Display 'Text Attribute 2'<br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted without right alignment. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/8, no alignment change will take place. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.3.1  | Command performed successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |

PROACTIVE COMMAND: PLAY TONE 4.3.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 02 | B4 |    |    |    |    |    |    |

TERMINAL RESPONSE: PLAY TONE 4.3.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC



## Result

General Result: Command performed successfully

## Coding:

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

PROACTIVE COMMAND: PLAY TONE 4.3.2

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

## 27.22.4.5.4.3.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

## 27.22.4.5.4.4.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

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

## 27.22.4.5.4.4.2 Procedure

**Expected Sequence 4.4 (PLAY TONE, Text Attribute - Large Font Size)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.4.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.4.1  |  |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with large font<br>size.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.4.1  | Command performed successfully.                      |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.4.2  |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.4.2  |  |
| 10   | Terminal → USER | Display 'Text Attribute 2'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with normal font<br>size. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.4.1  | Command performed successfully.                      |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.4.1  |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.4.1  |  |
| 16   | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with large font<br>size.  |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.4.1  | Command performed successfully.                      |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.4.3  |  |
| 20   | Terminal → UICC | FETCH  |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.4.3  |  |
| 22   | Terminal → USER | Display 'Text Attribute 3'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with normal font<br>size. |
| 23   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.4.1  | Command performed successfully.                      |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |

## PROACTIVE COMMAND: PLAY TONE 4.4.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 04 | B4 |    |    |    |    |    |    |

## TERMINAL RESPONSE: PLAY TONE 4.4.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## PROACTIVE COMMAND: PLAY TONE 4.4.2

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |    |    |

PROACTIVE COMMAND: PLAY TONE 4.4.3

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier "Text Attribute 3"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 33 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

27.22.4.5.4.4.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

## 27.22.4.5.4.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.5.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.5.1  |  |
| 4    | Terminal → USER | Display "Text Attribute 1"<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with small font<br>size.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.5.1  | Command performed successfully.                      |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.5.2  |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.5.2  |  |
| 10   | Terminal → USER | Display 'Text Attribute 2'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with normal font<br>size. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.5.1  | Command performed successfully.                      |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.5.1  |  |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 4.5.1  |   |
| 16   | Terminal → USER | Display "Text Attribute 1"<br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with small font size.  |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.5.1  | Command performed successfully.                   |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 4.5.3  |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 4.5.3  |   |
| 22   | Terminal → USER | Display 'Text Attribute 3'<br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with normal font size. |
| 23   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.5.1  | Command performed successfully.                   |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |

## PROACTIVE COMMAND: PLAY TONE 4.5.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 08 | B4 |    |    |    |    |    |    |

## TERMINAL RESPONSE: PLAY TONE 4.5.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## PROACTIVE COMMAND: PLAY TONE 4.5.2

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 4.5.3

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier "Text Attribute 3"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 33 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

## 27.22.4.5.4.5.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

## 27.22.4.5.4.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.6.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.6.1  |   |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with bold on.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.6.1  | Command performed successfully.           |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.6.2  |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.6.2  |   |
| 10   | Terminal → USER | Display 'Text Attribute 2'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with bold off. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.6.1  | Command performed successfully.           |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.6.1  |   |
| 14   | Terminal → UICC | FETCH  |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.6.1  |   |
| 16   | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with bold on.  |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.6.1  | Command performed successfully.           |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.6.3  |   |
| 20   | Terminal → UICC | FETCH  |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.6.3  |   |
| 22   | Terminal → USER | Display 'Text Attribute 3'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with bold off. |
| 23   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.6.1  | Command performed successfully.           |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |

PROACTIVE COMMAND: PLAY TONE 4.6.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 0E | 10 | B4 |    |    |    |    |    |    |

TERMINAL RESPONSE: PLAY TONE 4.6.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: PLAY TONE 4.6.2

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 4.6.3

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 3"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 33 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

## 27.22.4.5.4.6.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

## 27.22.4.5.4.7.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                    |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.7.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.7.1  |   |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with italic on.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.7.1  | Command performed successfully.             |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.7.2  |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.7.2  |   |
| 10   | Terminal → USER | Display 'Text Attribute 2'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with italic off. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.7.1  | Command performed successfully.             |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.7.1  |   |
| 14   | Terminal → UICC | FETCH  |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.7.1  |   |
| 16   | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with italic on.  |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.7.1  | Command performed successfully.             |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.7.3  |   |
| 20   | Terminal → UICC | FETCH  |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.7.3  |   |

| Step | Direction       | Message/Action  | Comments                                    |
|------|-----------------|---|---|
| 22   | Terminal → USER | Display 'Text Attribute 3'<br><br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with italic off. |
| 23   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.7.1  | Command performed successfully.             |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |

PROACTIVE COMMAND: PLAY TONE 4.7.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 0E | 20 | B4 |    |    |    |    |    |    |

TERMINAL RESPONSE: PLAY TONE 4.7.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

## PROACTIVE COMMAND: PLAY TONE 4.7.2

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 4.7.3

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 3"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 33 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

## 27.22.4.5.4.7.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

27.22.4.5.4.8.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)

| Step | Direction       | Message/Action   | Comments                                       |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.8.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.8.1  |  |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with underline on.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.8.1  | Command performed successfully.                |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.8.2  |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.8.2  |  |
| 10   | Terminal → USER | Display 'Text Attribute 2'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with underline off. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.8.1  | Command performed successfully.                |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.8.1  |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.8.1  |  |

| Step | Direction       | Message/Action  | Comments                                       |
|------|-----------------|---|--|
| 16   | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with underline on.  |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.8.1  | Command performed successfully.                |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 4.8.3  |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 4.8.3  |  |
| 22   | Terminal → USER | Display 'Text Attribute 3'<br><br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with underline off. |
| 23   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.8.1  | Command performed successfully.                |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |

PROACTIVE COMMAND: PLAY TONE 4.8.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 40 | B4 |    |    |    |    |    |    |

TERMINAL RESPONSE: PLAY TONE 4.8.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"



## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## PROACTIVE COMMAND: PLAY TONE 4.8.2

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 4.8.3

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 3"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 33 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

#### 27.22.4.5.4.8.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

##### 27.22.4.5.4.9.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.9.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.9.1  |  |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with strikethrough<br>on. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.9.1  | Command performed successfully.                      |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.9.2  |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.9.2  |  |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 10   | Terminal → USER | Display 'Text Attribute 2'<br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with strikethrough off. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.9.1  | Command performed successfully.                    |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 4.9.1  |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 4.9.1  |  |
| 16   | Terminal → USER | Display 'Text Attribute 1'<br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with strikethrough on.  |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.9.1  | Command performed successfully.                    |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 4.9.3  |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 4.9.3  |  |
| 22   | Terminal → USER | Display 'Text Attribute 3'<br>Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with strikethrough off. |
| 23   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.9.1  | Command performed successfully.                    |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |

#### PROACTIVE COMMAND: PLAY TONE 4.9.1

Logically:

##### Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

##### Duration

Time unit: Seconds  
 Time interval: 1

##### 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 80 | B4 |    |    |    |    |    |    |

TERMINAL RESPONSE: PLAY TONE 4.9.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: PLAY TONE 4.9.2

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 4.9.3

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 3"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 33 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

27.22.4.5.4.9.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 6.1, 6.4.5, 6.6.5, 5.2, 8.6, 8.7, 8.2, 8.16, 8.8, 8.31 and 8.70.

27.22.4.5.4.10.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.10.1   |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.10.1   |  |
| 4    | Terminal → USER | Display 'Text Attribute 1'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted according to the<br>foreground and background colour text<br>attribute configuration. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.10.1   | Command performed successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 4.10.2   |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 4.10.2   |  |
| 10   | Terminal → USER | Display 'Text Attribute 2'<br><br>Play a Terminal proprietary<br>positive acknowledgement tone | Message shall be formatted with the<br>Terminal's default foreground and background<br>colour.                   |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 4.10.1   | Command performed successfully.  |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |

## PROACTIVE COMMAND: PLAY TONE 4.10.1

## Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 1"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

## 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 | 28 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 31 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |
|          | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |    |    |

TERMINAL RESPONSE: PLAY TONE 4.10.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: PLAY TONE 4.10.2

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "Text Attribute 2"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 10 | 54 | 65 | 78 | 74 | 20 | 41 | 74 | 74 | 72 | 69 | 62 |
|          | 75 | 74 | 65 | 20 | 32 | 8E | 01 | 11 | 84 | 02 | 01 | 01 |

## 27.22.4.5.4.10.5 Test Requirement

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

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.2, 8.16 and 8.8.

Additionally the Terminal shall support the UCS2 facility for the coding of the Chinese character, as defined in ISO/IEC 10646 [2].

## 27.22.4.5.5.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 5.1.1                              |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 5.1.1                                      | UCS2 alphabet.                                     |
| 4    | Terminal → USER | Display "中—" and play a Terminal proprietary positive acknowledgement tone | 'Middle 1' in Chinese, 0x80 coding of UCS2 format. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 5.1.1                                      | Command performed successfully.                    |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 5.1.2                              |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 5.1.2                                      | UCS2 alphabet.                                     |
| 10   | Terminal → USER | Display "中—" and play a Terminal proprietary positive acknowledgement tone | 'Middle 1' in Chinese, 0x81 coding of UCS2 format. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 5.1.1                                      | Command performed successfully.                    |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 5.1.3                              |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 5.1.3                                      | UCS2 alphabet.                                     |
| 16   | Terminal → USER | Display "中—" and play a Terminal proprietary positive acknowledgement tone | 'Middle 1' in Chinese, 0x82 coding of UCS2 format. |



| Step | Direction       | Message/Action                     | Comments                        |
|------|-----------------|------------------------------------|---------------------------------|
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 5.1.1 | Command performed successfully. |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION ENDED       |                                 |

PROACTIVE COMMAND: PLAY TONE 5.1.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "中—"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 17 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 05 | 80 | 4E | 2D | 4E | 00 | 8E | 01 | 11 | 84 | 02 | 01 |
|          | 01 |    |    |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: PLAY TONE 5.1.2

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "中—"  
 Tone: Terminal proprietary tones: positive acknowledgement tone

Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 17 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 05 | 81 | 02 | 9C | AD | 80 | 8E | 01 | 11 | 84 | 02 | 01 |
|          | 01 |    |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 5.1.3

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "中—"   
 Tone: Terminal proprietary tones: positive acknowledgement tone

## Duration

Time unit: Seconds  
 Time interval: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 18 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 06 | 82 | 02 | 4E | 00 | AD | 80 | 8E | 01 | 11 | 84 | 02 |
|          | 01 | 01 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: PLAY TONE 5.1.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.5.5.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 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 Terminal shall support the PLAY TONE command as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.3, 6.6.3, 6.8, 6.11, 8.6, 8.7, 8.2, 8.16 and 8.8.

Additionally the Terminal shall support the UCS2 facility for the coding of the Katakana character, as defined in ISO/IEC 10646 [2].

## 27.22.4.5.6.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 6.1.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 6.1.1   | UCS2 alphabet.   |
| 4    | Terminal → USER | Display "80JL0"<br>Play a Terminal standard<br>supervisory dial tone for 5<br>seconds | Characters in Katakana, 0x80 coding of UCS2<br>format. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 6.1.1   | Command performed successfully.                        |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 6.1.2   |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 6.1.2   |  |
| 10   | Terminal → USER | Display "81JL1"<br>Play a Terminal standard<br>supervisory dial tone for 5<br>seconds | Characters in Katakana, 0x81 coding of UCS2<br>format. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 6.1.1   | Command performed successfully.                        |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 6.1.3   |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 6.1.3   |  |
| 16   | Terminal → USER | Display "82JL2"<br>Play a Terminal standard<br>supervisory dial tone for 5<br>seconds | Characters in Katakana, 0x82 coding of UCS2<br>format. |
| 17   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 6.1.1   | Command performed successfully.                        |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |

## PROACTIVE COMMAND: PLAY TONE 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "80JL0"  
 Tone: Terminal proprietary tones: 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 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 30 | 8E | 01 |
|          | 01 | 84 | 02 | 01 | 05 |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 6.1.2

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier: "81JL1"  
 Tone: Terminal proprietary tones: Standard supervisory tones: Dial tone

## Duration

Time unit: Seconds  
 Time interval: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 07 | 81 | 04 | 61 | 38 | 31 | EB | 31 | 8E | 01 | 01 | 84 |
|          | 02 | 01 | 05 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: PLAY TONE 6.1.3

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Earpiece  
 Alpha Identifier "82JL2"  
 Tone: Terminal proprietary tones: Standard supervisory tones: Dial tone

Duration

Time unit: Seconds  
 Time interval: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | 01 | 20 | 00 | 82 | 02 | 81 | 03 | 85 |
|          | 08 | 82 | 04 | 30 | A0 | 38 | 32 | CB | 32 | 8E | 01 | 01 |
|          | 84 | 02 | 01 | 05 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: PLAY TONE 6.1.1

Logically:

Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.5.6.5 Test requirement

The Terminal 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 Terminal shall support the POLL INTERVAL command as defined in:

- ETSI TS 102 223 [1], clauses 6.1, 6.4.6, 6.6.6, 5.2, 8.6, 8.7 and 8.8.

27.22.4.6.3 Test purpose

To verify that the Terminal shall send a TERMINAL RESPONSE (OK) to the UICC after the Terminal receives the POLL INTERVAL proactive UICC command.

To verify that the Terminal gives a valid response to the polling interval requested by the UICC.

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

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

## 27.22.4.6.4.2 Procedure

**Expected Sequence 1.1 (POLL INTERVAL, Seconds)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>POLL INTERVAL 1.1.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: POLL<br>INTERVAL 1.1.1   | Duration: 20 seconds.  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: POLL<br>INTERVAL 1.1.1   | Command performed successfully,<br>duration depends on the Terminal's<br>capabilities. |
| 5    | Terminal → UICC | Terminal polls in intervals as stated in<br>the duration TLV of TERMINAL<br>RESPONSE: POLL INTERVAL 1.1.1 |  |

## 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: Terminal

## Duration

Time unit: Seconds  
 Time interval: 20

Coding:

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

## TERMINAL RESPONSE: POLL INTERVAL 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: POLL INTERVAL  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Duration

Time unit: Seconds  
 Time interval: 20

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 03 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 84 | 02 | 01 | 14 |    |    |    |    |    |    |    |    |

NOTE: If the requested poll interval is not supported by the Terminal, the Terminal is allowed to use a different one as stated in ETSI TS 102 223 [1], clause 6.4.6.

## 27.22.4.6.5 Test requirement

The Terminal 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 Terminal shall support the REFRESH command as defined in:

- ETSI TS 102 223 [1], clauses 6.1, 6.4.7, 6.6.13, 5.2, 8.6, 8.7 and 8.18.

## 27.22.4.7.1.3 Test purpose

To verify that the Terminal performs the UICC initialization and/or re-reads the contents and structure of the EFs on the UICC that have been changed and/or restarts the card session by resetting the Terminal, and successfully returns 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

## 27.22.4.7.1.4.2 Procedure

**Expected Sequence 1.1 (REFRESH, NAA Initialization and Full File Change Notification)**

The test method is not defined in the present document as it depends on a present NAA.

**Expected Sequence 1.2 (REFRESH, File Change Notification)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC→ Terminal  | PROACTIVE COMMAND<br>PENDING: REFRESH 1.2.1  | To inform the Terminal that there is a change in ICCID value. |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>REFRESH 1.2.1  |   |
| 4    | UICC            | Update EF ICCID  | New EF ICCID value:<br>98010000000012345678.                  |
| 5    | Terminal → UICC | TERMINAL RESPONSE:<br>REFRESH 1.2.1A<br>Or<br>TERMINAL RESPONSE:<br>REFRESH 1.2.1B | Additional EFs read.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |

**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: Terminal

File List

Number of files: 1  
 File: 3F002FE2

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 10 | 81 | 03 | 01 | 01 | 01 | 82 | 02 | 81 | 82 | 92 |
|          | 05 | 01 | 3F | 00 | 2F | E2 |    |    |    |    |    |    |

**TERMINAL RESPONSE: REFRESH 1.2.1A**

Logically:

Command details

Command number: 1  
 Command type: REFRESH  
 Command qualifier: File Change Notification

Device identities

Source device: Terminal  
 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: Terminal  
 Destination device: UICC

Result

General Result: REFRESH performed with additional EFs read

Coding:

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

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

The test method is not defined in the present document as it depends on a present NAA.

**Expected Sequence 1.4 (REFRESH, NAA Initialization)**

The test method is not defined in the present document as it depends on a present NAA.

**Expected Sequence 1.5 (REFRESH, UICC Reset)**

| Step | Direction       | Message/Action  | Comments |
|------|-----------------|---|----------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: REFRESH 1.5.1                       |          |
| 2    | Terminal → UICC | FETCH   |          |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>REFRESH 1.5.1                               |          |
| 4    | Terminal        | Terminal resets the UICC and<br>perform NAA initialization if any |          |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                                   |          |

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: Terminal

Coding:

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

**Expected Sequence 1.6 (REFRESH, NAA Application Reset)**

The test method is not defined in the present document as it depends on a present NAA.

**Expected Sequence 1.7 (REFRESH, NAA Session Reset)**

The test method is not defined in the present document as it depends on a present NAA.

**27.22.4.7.1.5 Test requirement**

The Terminal shall operate in the manner defined in expected sequences 1.1 to 1.7.

**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 Terminal shall support the SET UP MENU command as defined in:

- ETSI TS 102 223 [1], clauses 5, 6.4.8, 6.6.7, 6.8, 6.11, 8.6, 8.7, 8.2, 8.9 and 9.4.

The Terminal shall support MENU SELECTION as defined in:

- ETSI TS 102 223 [1], clauses 4.4, 5.2, 6.4.8, 6.9, 7.2, 8.7 and 8.10.

**27.22.4.8.1.3 Test purpose**

To verify that the Terminal 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 Terminal replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the Terminal removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the Terminal 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 has indicated the need to get help information on one of the items, the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 1.1.1  | First Set Up Menu.                      |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 1.1.1   |   |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" and<br>"Item 4" under this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 1.1.1  | Command Performed Successfully.         |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"  |   |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3",<br>"Item 4"  |   |
| 9    | USER → Terminal | Select the "Item 2" Menu entry   |   |
| 10   | Terminal → UICC | Send the ENVELOPE 1.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)  |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 1.1.2  | Second Set Up Menu, REPLACE Old Menu.   |
| 12   | Terminal → UICC | FETCH  |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 1.1.2   |   |
| 14   | Terminal → USER | Integrate the new menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "One" and "Two" under this<br>header.                       |   |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 1.1.2  | Command Performed Successfully.         |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"  |   |
| 18   | Terminal → USER | Display "One", "Two"   |   |
| 19   | USER → Terminal | Select the "Two" menu entry  |   |
| 20   | Terminal → UICC | Send the ENVELOPE 1.1.2:<br>MENU SELECTION<br>(Identifier of item: 12)   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 1.1.3<br>with SW1/SW2 of '91 0F'.  | Third Set Up Menu, REMOVE Toolkit Menu. |
| 22   | Terminal → UICC | FETCH  |   |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 1.1.3   |   |
| 24   | Terminal → USER | Remove the menu "Toolkit Menu"<br>from its menu system.  |   |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 1.1.3  | Command Performed Successfully.         |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 27   | USER → Terminal | Has to unsuccessfully find the<br>Toolkit Menu   |   |

## PROACTIVE COMMAND: SET UP MENU 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu"

## Item

Identifier of item: 1  
 Text string of item: "Item 1"

## Item

Identifier of item: 2  
 Text string of item: "Item 2"

## Item

Identifier of item: 3  
 Text string of item: "Item 3"

## Item

Identifier of item: 4  
 Text string of item: "Item 4"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 3B | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0C | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 | 8F | 07 |
|          | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 | 49 | 74 |
|          | 65 | 6D | 20 | 33 | 8F | 07 | 04 | 49 | 74 | 65 | 6D | 20 |
|          | 34 |    |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SET UP MENU 1.1.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu"

## Item

Identifier of item: "11"  
 Text string of item: "One"

## Item

Identifier of item: "12"  
 Text string of item: "Two"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 23 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0C | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 8F | 04 | 11 | 4F | 6E | 65 | 8F | 04 | 12 | 54 | 77 |
|          | 6F |    |    |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SET UP MENU 1.1.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Item: Empty

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 00 | 8F | 00 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 1.1.1, 1.1.2 and 1.1.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "no help information available"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE 1.1.1: MENU SELECTION

Logically:

## Menu selection

Device identities  
 Source device: Keypad  
 Destination device: UICC  
 Item identifier: 02

Coding:

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

## ENVELOPE 1.1.2: MENU SELECTION

Logically:

Menu selection

Device identities

Source device:

Keypad

Destination device:

UICC

Item identifier

12

Coding:

|          |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D3 | 07 | 82 | 02 | 01 | 81 | 90 | 01 | 12 |
|----------|----|----|----|----|----|----|----|----|----|

**Expected Sequence 1.2 (SET UP MENU, Large Menu with many items or with large items or with Large Alpha Identifier)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 1.2.1  | First Large Menu with many items, Fetch of FF bytes.   |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 1.2.1   |  |
| 4    | Terminal → USER | Integrate the new menu header of "LargeMenu1" into its menu system and have the menu items of "Zero", "One", "Two", "Three", "Four", "Five", "Six", "Seven", "Eight", "Nine", "Alpha", "Bravo", "Charlie", "Delta", "Echo", "Fox-trot", "Black", "Brown", "Red", "Orange", "Yellow", "Green", "Blue", "Violet", "Grey", "White", "milli", "micro", "nano" and "pico" under this header. |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 1.2.1  | Command Performed Successfully.                        |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 7    | USER → Terminal | Select the Toolkit "LargeMenu1"   |  |
| 8    | Terminal → USER | Display "Zero", "One", "Two" ... "pico"   |  |
| 9    | USER → Terminal | Select the "Orange" menu entry  |  |
| 10   | Terminal → UICC | Send the ENVELOPE 1.2.1: MENU SELECTION (Identifier of item: 0x3D)  |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 1.2.2  | Second Large Menu with large items, Fetch of F6 bytes. |
| 12   | Terminal → UICC | FETCH   |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 1.2.2   |  |
| 14   | Terminal → USER | Integrate the new menu header of "LargeMenu2" into its menu system and have the menu items of "1 Call Forward Unconditional", "2 Call Forward On User Busy", "3 Call Forward On No Reply", "4 Call Forward On User Not Reachable", "5 Barring Of All Outgoing Calls", "6 Barring Of All Outgoing Int Calls" and "7 CLI Presentation" under this header.                                 |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 1.2.2  | Command Performed Successfully.                        |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 16   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 17   | USER → Terminal | Select the Toolkit Menu "LargeMenu2"  |  |
| 18   | Terminal → USER | Display "1 Call Forward Unconditional", "2 Call Forward On User Busy", "3 Call Forward On No Reply", "4 Call Forward On User Not Reachable", "5 Barring Of All Outgoing Calls", "6 Barring Of All Outgoing Int Calls", "7 CLI Presentation"   |  |
| 19   | USER → Terminal | Select the "5 Barring Of All Outgoing Calls" menu entry   |  |
| 20   | Terminal → UICC | Send the ENVELOPE 1.2.2: MENU SELECTION (Identifier of item: 0xFB)  |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 1.2.3  | Third Large Menu with a Large Alpha Identifier and only one Short Item, Fetch of FF bytes. |
| 22   | Terminal → UICC | FETCH   |  |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 1.2.3   |  |
| 24   | Terminal → USER | Integrate the new menu header of "The SIM shall supply a set of menu items, which shall be integrated with the menu system (or other MMI facility) in order to give the user the opportunity to choose one of these menu items at his own discretion. Each item comprises a sh" into it's menu system and have a menu item of "Y" under this header". |  |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 1.2.3  | Command Performed Successfully.  |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 27   | USER → Terminal | Select the Toolkit Menu "The SIM shall supply a set of menu items, which shall be integrated with the menu system (or other MMI facility) in order to give the user the opportunity to choose one of these menu items at his own discretion. Each item comprises a sh".   |  |
| 28   | Terminal → USER | Display "Y"   |  |
| 29   | USER → Terminal | Select the item "Y"   |  |
| 30   | Terminal → UICC | Send the ENVELOPE 1.2.3: MENU SELECTION (Identifier of item: 1)   |  |

#### PROACTIVE COMMAND: SET UP MENU 1.2.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

|                      |              |
|----------------------|--------------|
| Device identities    |              |
| Source device:       | UICC         |
| Destination device:  | Terminal     |
| Alpha Identifier:    | "LargeMenu1" |
| Item                 |              |
| Identifier of item:  | "50"         |
| Text string of item: | "Zero"       |
| Item                 |              |
| Identifier of item:  | "4F"         |
| Text string of item: | "One"        |
| Item                 |              |
| Identifier of item:  | "4E"         |
| Text string of item: | "Two"        |
| Item                 |              |
| Identifier of item:  | "4D"         |
| Text string of item: | "Three"      |
| Item                 |              |
| Identifier of item:  | "4C"         |
| Text string of item: | "Four"       |
| Item                 |              |
| Identifier of item:  | "4B"         |
| Text string of item: | "Five"       |
| Item                 |              |
| Identifier of item:  | "4A"         |
| Text string of item: | "Six"        |
| Item                 |              |
| Identifier of item:  | "49"         |
| Text string of item: | "Seven"      |
| Item                 |              |
| Identifier of item:  | "48"         |
| Text string of item: | "Eight"      |
| Item                 |              |
| Identifier of item:  | "47"         |
| Text string of item: | "Nine"       |
| Item                 |              |
| Identifier of item:  | "46"         |
| Text string of item: | "Alpha"      |
| Item                 |              |
| Identifier of item:  | "45"         |
| Text string of item: | "Bravo"      |
| Item                 |              |
| Identifier of item:  | "44"         |
| Text string of item: | "Charlie"    |
| Item                 |              |
| Identifier of item:  | "43"         |
| Text string of item: | "Delta"      |
| Item                 |              |
| Identifier of item:  | "42"         |
| Text string of item: | "Echo"       |
| Item                 |              |
| Identifier of item:  | "41"         |
| Text string of item: | "Fox-trot"   |
| Item                 |              |
| Identifier of item:  | "40"         |
| Text string of item: | "Black"      |
| Item                 |              |
| Identifier of item:  | "3F"         |
| Text string of item: | "Brown"      |
| Item                 |              |
| Identifier of item:  | "3E"         |
| Text string of item: | "Red"        |



|      |                      |          |
|------|----------------------|----------|
| Item | Identifier of item:  | "3D"     |
|      | Text string of item: | "Orange" |
| Item | Identifier of item:  | "3C"     |
|      | Text string of item: | "Yellow" |
| Item | Identifier of item:  | "3B"     |
|      | Text string of item: | "Green"  |
| Item | Identifier of item:  | "3A"     |
|      | Text string of item: | "Blue"   |
| Item | Identifier of item:  | "39"     |
|      | Text string of item: | "Violet" |
| Item | Identifier of item:  | "38"     |
|      | Text string of item: | "Grey"   |
| Item | Identifier of item:  | "37"     |
|      | Text string of item: | "White"  |
| Item | Identifier of item:  | "36"     |
|      | Text string of item: | "milli"  |
| Item | Identifier of item:  | "35"     |
|      | Text string of item: | "micro"  |
| Item | Identifier of item:  | "34"     |
|      | Text string of item: | "nano"   |
| Item | Identifier of item:  | "33"     |
|      | Text string of item: | "pico"   |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | FC | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 |
|          | 85 | 0A | 4C | 61 | 72 | 67 | 65 | 4D | 65 | 6E | 75 | 31 |
|          | 8F | 05 | 50 | 5A | 65 | 72 | 6F | 8F | 04 | 4F | 4F | 6E |
|          | 65 | 8F | 04 | 4E | 54 | 77 | 6F | 8F | 06 | 4D | 54 | 68 |
|          | 72 | 65 | 65 | 8F | 05 | 4C | 46 | 6F | 75 | 72 | 8F | 05 |
|          | 4B | 46 | 69 | 76 | 65 | 8F | 04 | 4A | 53 | 69 | 78 | 8F |
|          | 06 | 49 | 53 | 65 | 76 | 65 | 6E | 8F | 06 | 48 | 45 | 69 |
|          | 67 | 68 | 74 | 8F | 05 | 47 | 4E | 69 | 6E | 65 | 8F | 06 |
|          | 46 | 41 | 6C | 70 | 68 | 61 | 8F | 06 | 45 | 42 | 72 | 61 |
|          | 76 | 6F | 8F | 08 | 44 | 43 | 68 | 61 | 72 | 6C | 69 | 65 |
|          | 8F | 06 | 43 | 44 | 65 | 6C | 74 | 61 | 8F | 05 | 42 | 45 |
|          | 63 | 68 | 6F | 8F | 09 | 41 | 46 | 6F | 78 | 2D | 74 | 72 |
|          | 6F | 74 | 8F | 06 | 40 | 42 | 6C | 61 | 63 | 6B | 8F | 06 |
|          | 3F | 42 | 72 | 6F | 77 | 6E | 8F | 04 | 3E | 52 | 65 | 64 |
|          | 8F | 07 | 3D | 4F | 72 | 61 | 6E | 67 | 65 | 8F | 07 | 3C |
|          | 59 | 65 | 6C | 6C | 6F | 77 | 8F | 06 | 3B | 47 | 72 | 65 |
|          | 65 | 6E | 8F | 05 | 3A | 42 | 6C | 75 | 65 | 8F | 07 | 39 |
|          | 56 | 69 | 6F | 6C | 65 | 74 | 8F | 05 | 38 | 47 | 72 | 65 |
|          | 79 | 8F | 06 | 37 | 57 | 68 | 69 | 74 | 65 | 8F | 06 | 36 |
|          | 6D | 69 | 6C | 6C | 69 | 8F | 06 | 35 | 6D | 69 | 63 | 72 |
|          | 6F | 8F | 05 | 34 | 6E | 61 | 6E | 6F | 8F | 05 | 33 | 70 |
|          | 69 | 63 | 6F |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SET UP MENU 1.2.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha Identifier: "LargeMenu2"

## Item

Identifier of item: "FF"  
 Text string of item: "1 Call Forward Unconditional"

## Item

Identifier of item: "FE"  
 Text string of item: "2 Call Forward On User Busy"

## Item

Identifier of item: "FD"  
 Text string of item: "3 Call Forward On No Reply"

## Item

Identifier of item: "FC"  
 Text string of item: "4 Call Forward On User Not Reachable"

## Item

Identifier of item: "FB"  
 Text string of item: "5 Barring Of All Outgoing Calls"

## Item

Identifier of item: "FA"  
 Text string of item: "6 Barring Of All Outgoing Int Calls"

## Item

Identifier of item: "F9"  
 Text string of item: "7 CLI Presentation"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | F3 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 |
|          | 85 | 0A | 4C | 61 | 72 | 67 | 65 | 4D | 65 | 6E | 75 | 32 |
|          | 8F | 1D | FF | 31 | 20 | 43 | 61 | 6C | 6C | 20 | 46 | 6F |
|          | 72 | 77 | 61 | 72 | 64 | 20 | 55 | 6E | 63 | 6F | 6E | 64 |
|          | 69 | 74 | 69 | 6F | 6E | 61 | 6C | 8F | 1C | FE | 32 | 20 |
|          | 43 | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 | 61 | 72 | 64 |
|          | 20 | 4F | 6E | 20 | 55 | 73 | 65 | 72 | 20 | 42 | 75 | 73 |
|          | 79 | 8F | 1B | FD | 33 | 20 | 43 | 61 | 6C | 6C | 20 | 46 |
|          | 6F | 72 | 77 | 61 | 72 | 64 | 20 | 4F | 6E | 20 | 4E | 6F |
|          | 20 | 52 | 65 | 70 | 6C | 79 | 8F | 25 | FC | 34 | 20 | 43 |
|          | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 | 61 | 72 | 64 | 20 |
|          | 4F | 6E | 20 | 55 | 73 | 65 | 72 | 20 | 4E | 6F | 74 | 20 |
|          | 52 | 65 | 61 | 63 | 68 | 61 | 62 | 6C | 65 | 8F | 20 | FB |
|          | 35 | 20 | 42 | 61 | 72 | 72 | 69 | 6E | 67 | 20 | 4F | 66 |
|          | 20 | 41 | 6C | 6C | 20 | 4F | 75 | 74 | 67 | 6F | 69 | 6E |
|          | 67 | 20 | 43 | 61 | 6C | 6C | 73 | 8F | 24 | FA | 36 | 20 |
|          | 42 | 61 | 72 | 72 | 69 | 6E | 67 | 20 | 4F | 66 | 20 | 41 |
|          | 6C | 6C | 20 | 4F | 75 | 74 | 67 | 6F | 69 | 6E | 67 | 20 |
|          | 49 | 6E | 74 | 20 | 43 | 61 | 6C | 6C | 73 | 8F | 13 | F9 |
|          | 37 | 20 | 43 | 4C | 49 | 20 | 50 | 72 | 65 | 73 | 65 | 6E |
|          | 74 | 61 | 74 | 69 | 6F | 6E |    |    |    |    |    |    |

## PROACTIVE COMMAND: SET UP MENU 1.2.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha Identifier: "The SIM shall supply a set of menu items, which shall be integrated with the menu system (or other MMI facility) in order to give the user the opportunity to choose one of these menu items at his own discretion. Each item comprises a sh"

## Item

Identifier of item: "01"  
 Text string of item: "Y"

Coding:

| BER-TLV: | D0 | 81 | FC | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 85 | 81 | EC | 54 | 68 | 65 | 20 | 53 | 49 | 4D | 20 | 73 |
|          | 68 | 61 | 6C | 6C | 20 | 73 | 75 | 70 | 70 | 6C | 79 | 20 |
|          | 61 | 20 | 73 | 65 | 74 | 20 | 6F | 66 | 20 | 6D | 65 | 6E |
|          | 75 | 20 | 69 | 74 | 65 | 6D | 73 | 2C | 20 | 77 | 68 | 69 |
|          | 63 | 68 | 20 | 73 | 68 | 61 | 6C | 6C | 20 | 62 | 65 | 20 |
|          | 69 | 6E | 74 | 65 | 67 | 72 | 61 | 74 | 65 | 64 | 20 | 77 |
|          | 69 | 74 | 68 | 20 | 74 | 68 | 65 | 20 | 6D | 65 | 6E | 75 |
|          | 20 | 73 | 79 | 73 | 74 | 65 | 6D | 20 | 28 | 6F | 72 | 20 |
|          | 6F | 74 | 68 | 65 | 72 | 20 | 4D | 4D | 49 | 20 | 66 | 61 |
|          | 63 | 69 | 6C | 69 | 74 | 79 | 29 | 20 | 69 | 6E | 20 | 6F |
|          | 72 | 64 | 65 | 72 | 20 | 74 | 6F | 20 | 67 | 69 | 76 | 65 |
|          | 20 | 74 | 68 | 65 | 20 | 75 | 73 | 65 | 72 | 20 | 74 | 68 |
|          | 65 | 20 | 6F | 70 | 70 | 6F | 72 | 74 | 75 | 6E | 69 | 74 |
|          | 79 | 20 | 74 | 6F | 20 | 63 | 68 | 6F | 6F | 73 | 65 | 20 |
|          | 6F | 6E | 65 | 20 | 6F | 66 | 20 | 74 | 68 | 65 | 73 | 65 |
|          | 20 | 6D | 65 | 6E | 75 | 20 | 69 | 74 | 65 | 6D | 73 | 20 |
|          | 61 | 74 | 20 | 68 | 69 | 73 | 20 | 6F | 77 | 6E | 20 | 64 |
|          | 69 | 73 | 63 | 72 | 65 | 74 | 69 | 6F | 6E | 2E | 20 | 45 |
|          | 61 | 63 | 68 | 20 | 69 | 74 | 65 | 6D | 20 | 63 | 6F | 6D |
|          | 70 | 72 | 69 | 73 | 65 | 73 | 20 | 61 | 20 | 73 | 68 | 8F |
|          | 02 | 01 | 59 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP MENU 1.2.1, 1.2.2 and 1.2.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "no help information available"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

#### ENVELOPE 1.2.1: MENU SELECTION

Logically:

Menu selection

Device identities

Source device:

Destination device:

Item identifier

Keypad

UICC

3D

Coding:

|          |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D3 | 07 | 82 | 02 | 01 | 81 | 90 | 01 | 3D |
|----------|----|----|----|----|----|----|----|----|----|

#### ENVELOPE 1.2.2: MENU SELECTION

Logically:

Menu selection

Device identities

Source device:

Destination device:

Item identifier

Keypad

UICC

FB

Coding:

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

#### ENVELOPE 1.2.3: MENU SELECTION

Logically:

Menu selection

Device identities

Source device:

Destination device:

Item identifier

Keypad

UICC

01

Coding:

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

The following table details the test requirements with relation to the tested features:

| Proactive UICC Command Number | Proactive UICC Command Facilities |                 |                        |
|-------------------------------|-----------------------------------|-----------------|------------------------|
|                               | 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 Terminal 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:

- ETSI TS 102 223 [1], clause 8.21.

### 27.22.4.8.2.3 Test purpose

To verify that the Terminal 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 Terminal informs properly the UICC about an HELP REQUEST, using the MENU SELECTION mechanism.

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)

| Step | Direction       | Message/Action   | Comments                        |
|------|-----------------|--|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 2.1.1  | First Set Up Menu.              |
| 2    | Terminal → UICC | FETCH  |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 2.1.1   |                                 |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" and<br>"Item 4" under this header. |                                 |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 2.1.1  | Command Performed Successfully. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |                                 |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"  |                                 |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3",<br>"Item 4"  |                                 |
| 9    | USER → Terminal | Select the Help Request on<br>"Item 2" Menu entry  |                                 |
| 10   | Terminal → UICC | Send the ENVELOPE 2.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)  |                                 |

PROACTIVE COMMAND: SET UP MENU 2.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "80"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu"

Item

Identifier of item: 1  
 Text string of item: "Item 1"

Item

Identifier of item: 2  
 Text string of item: "Item 2"

Item

Identifier of item: 3  
 Text string of item: "Item 3"

Item

Identifier of item: 4  
 Text string of item: "Item 4"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 3B | 81 | 03 | 01 | 25 | 80 | 82 | 02 | 81 | 82 | 85 |
|          | 0C | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 | 8F | 07 |
|          | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 | 49 | 74 |
|          | 65 | 6D | 20 | 33 | 8F | 07 | 04 | 49 | 74 | 65 | 6D | 20 |
|          | 34 |    |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 2.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "help information available"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE 2.1.1: MENU SELECTION

Logically:

## Menu selection

|                     |        |
|---------------------|--------|
| Device identities   |        |
| Source device:      | Keypad |
| Destination device: | UICC   |
| Item identifier     | 02     |
| Help request tag    |        |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D3 | 09 | 82 | 02 | 01 | 81 | 90 | 01 | 02 | 15 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

## 27.22.4.8.2.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clause 8.24.

## 27.22.4.8.3.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 3.1.1  | First Set Up Menu.   |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 3.1.1   |  |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" and<br>"Item 4" under this header. |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 3.1.1  | Command Performed Successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"  |  |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3",<br>"Item 4"  | The Terminal may indicate to the user the<br>consequences of performing the selection of<br>an item. |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".  | The Terminal may indicate to the user the<br>consequences of performing the selection of<br>an item. |
| 10   | Terminal → UICC | Send the ENVELOPE 3.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)  |  |

ENVELOPE 3.1.1: MENU SELECTION

Logically:

Menu selection

|                     |        |
|---------------------|--------|
| Device identities   |        |
| Source device:      | Keypad |
| Destination device: | UICC   |
| Item identifier     | 02     |

Coding:

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

PROACTIVE COMMAND: SET UP MENU 3.1.1

Logically:

Command details

|                    |             |
|--------------------|-------------|
| Command number:    | 1           |
| Command type:      | SET UP MENU |
| Command qualifier: | "00"        |

Device identities

|                     |                |
|---------------------|----------------|
| Source device:      | UICC           |
| Destination device: | Terminal       |
| Alpha identifier:   | "Toolkit Menu" |

Item

|                      |          |
|----------------------|----------|
| Identifier of item:  | 1        |
| Text string of item: | "Item 1" |



|                                  |                      |   |
|----------------------------------|----------------------|---|
| Item                             | Identifier of item:  | 2   |
|                                  | Text string of item: | "Item 2"  |
| Item                             | Identifier of item:  | 3   |
|                                  | Text string of item: | "Item 3"  |
| Item                             | Identifier of item:  | 4   |
|                                  | Text string of item: | "Item 4"  |
| Items next action indicator list | List:                | "Send SM", "Set Up Call", "Launch Browser", "Provide Local Information" |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 41 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0C | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 | 8F | 07 |
|          | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 | 49 | 74 |
|          | 65 | 6D | 20 | 33 | 8F | 07 | 04 | 49 | 74 | 65 | 6D | 20 |
|          | 34 | 18 | 04 | 13 | 10 | 15 | 26 |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 3.1.1

Logically:

Command details

|                    |                                 |
|--------------------|---------------------------------|
| Command number:    | 1                               |
| Command type:      | SET UP MENU                     |
| Command qualifier: | "no help information available" |

Device identities

|                     |          |
|---------------------|----------|
| Source device:      | Terminal |
| Destination device: | UICC     |

Result

|                 |                                |
|-----------------|--------------------------------|
| General Result: | Command performed successfully |
|-----------------|--------------------------------|

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

#### 27.22.4.8.3.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.31 and 8.32.

##### 27.22.4.8.4.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)

| Step | Direction       | Message/Action  | Comments                                    |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 4.1.1   | First Set Up Menu.                          |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 4.1.1  |   |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 4.1.1A  | Command Performed Successfully.             |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"   | Verify the icon is displayed with alpha id. |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3".   |   |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   | Verify icons are displayed for each item.   |
| 10   | Terminal → UICC | Send the ENVELOPE 3.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |

#### PROACTIVE COMMAND: SET UP MENU 4.1.1

Logically:

##### Command details

Command number: 1  
Command type: SET UP MENU  
Command qualifier: "00"

##### Device identities

Source device: UICC  
Destination device: Terminal  
Alpha identifier: "Toolkit Menu"

##### Item

Identifier of item: 1  
Text string of item: "Item 1"

Item  
 Identifier of item: 2  
 Text string of item: "Item 2"

Item  
 Identifier of item: 3  
 Text string of item: "Item 3"

Icon identifier  
 Icon qualifier: icon is not self explanatory  
 Icon identifier: record 1 EF (IMG)

Item icon identifier list  
 Icon qualifier: icon is not self explanatory  
 Icon identifier list: record 5 EF (IMG), record 5 EF (IMG), record 5 EF (IMG)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 3C | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0C | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 | 8F | 07 |
|          | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 | 49 | 74 |
|          | 65 | 6D | 20 | 33 | 9E | 02 | 01 | 01 | 9F | 04 | 01 | 05 |
|          | 05 | 05 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 4.1.1A

Logically:

Command details  
 Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "no help information available"

Device identities  
 Source device: Terminal  
 Destination device: UICC

Result  
 General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

**Expected Sequence 4.1B (SET UP MENU, BASIC ICON NOT SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, requested icon could not be displayed)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 4.1.1   | First Set Up Menu.  |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 4.1.1  |   |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 4.1.1B  | Command performed successfully, but<br>requested icon could not be displayed. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit Menu"                                |  |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3" under the header "Toolkit Menu". | Verify that either for the header or for each of the items no icon is displayed. |
| 9    | USER → Terminal | Navigate in the items, then select "Item 2".                          |  |
| 10   | Terminal → UICC | Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)       |  |

TERMINAL RESPONSE: SET UP MENU 4.1.1B

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "no help information available"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

**Expected Sequence 4.2A (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, successful)**

| Step | Direction       | Message/Action  | Comments                                  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 4.2.1  | First Set Up Menu.                        |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 4.2.1   |   |
| 4    | Terminal → USER | Integrate the menu header of "Toolkit Menu" into its menu system and have the menu items of "Item 1", "Item 2", "Item 3" under this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 4.2.1A   | Command Performed Successfully.           |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit Menu"  | Verify the icon is displayed in alpha id. |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3".   |   |
| 9    | USER → Terminal | Navigate in the items, then select "Item 2".  | Verify icons are displayed for each item. |
| 10   | Terminal → UICC | Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)   |   |

PROACTIVE COMMAND: SET UP MENU 4.2.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu"

Item

Identifier of item: 1  
 Text string of item: "Item 1"

Item

Identifier of item: 2  
 Text string of item: "Item 2"

Item

Identifier of item: 3  
 Text string of item: "Item 3"

Icon identifier

Icon qualifier: icon is self explanatory  
 Icon identifier: record 1 EF (IMG)

Item icon identifier list

Icon qualifier: icon is self explanatory  
 Icon identifier list: record 5 EF (IMG), record 5 EF (IMG), record 5 EF (IMG)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 3C | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0C | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 | 8F | 07 |
|          | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 | 49 | 74 |
|          | 65 | 6D | 20 | 33 | 9E | 02 | 00 | 01 | 9F | 04 | 00 | 05 |
|          | 05 | 05 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 4.2.1A

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "no help information available"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

**Expected Sequence 4.2B (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, requested icon could not be displayed)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 4.2.1   | First Set Up Menu.  |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 4.2.1  |   |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 4.2.1B  | Command Performed Successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"   |   |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit<br>Menu".  | Verify that either for the header or for each of<br>the items no icon is displayed. |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |   |
| 10   | Terminal → UICC | Send the ENVELOPE 3.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |

TERMINAL RESPONSE: SET UP MENU 4.2.1B

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "no help information available"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.8.4.5 Test requirement

The Terminal 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 Terminal 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 Terminal and the number of icon items does not exceed the number of soft keys available, then the Terminal displays those icons as soft key.

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments                                      |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 5.1.1   | First Set Up Menu.                            |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 5.1.1  |   |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2" under this<br>header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 5.1.1   | Command Performed Successfully.               |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"   |   |
| 8    | Terminal → USER | Display "Item 1", "Item 2"  |   |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   | Verify we can select items through soft keys. |
| 10   | Terminal → UICC | Send the ENVELOPE 3.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |

## PROACTIVE COMMAND: SET UP MENU 5.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: '01' (selection using soft key preferred)

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu"

## Item

Identifier of item: 1  
Text string of item: "Item 1"

## Item

Identifier of item: 2  
Text string of item: "Item 2"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 29 | 81 | 03 | 01 | 25 | 01 | 82 | 02 | 81 | 82 | 85 |
|          | 0C | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 | 8F | 07 |
|          | 02 | 49 | 74 | 65 | 6D | 20 | 32 |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP MENU 5.1.1

## Logically:

## Command details

Command number: 1  
Command type: SET UP MENU  
Command qualifier: '01' (selection using soft key preferred)

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## 27.22.4.8.5.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.8.6.1.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.1.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.1.1  |  |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.1.1   | Command Performed Successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 1"   |  |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify text attribute of the alpha identifier and<br>of each item are displayed with left alignment.   |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |  |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.1.2   |  |
| 12   | Terminal → UICC | FETCH   |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.1.2  |  |
| 14   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 2" into its menu<br>system and have the menu items<br>of "Item 4", "Item 5", "Item 6" under<br>this header. |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.1.1   | Command Performed Successfully.  |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 2"   |  |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6"<br>under the header of "Toolkit Menu<br>2".  | Verify text attribute of the alpha identifier and<br>of each item are displayed without left<br>alignment.<br>Remark: If left alignment is the Terminal's<br>default alignment as declared in table A.2/9,<br>no alignment change will take place. |
| 19   | USER → Terminal | Navigate in the items, then select<br>"Item 5".   |  |

| Step | Direction       | Message/Action  | Comments |
|------|-----------------|---|----------|
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2:<br>MENU SELECTION<br>(Identifier of item: 5) |          |

## PROACTIVE COMMAND: SET UP MENU 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

## Item

Identifier of item: 1  
 Text string of item: "Item 1"

## Item

Identifier of item: 2  
 Text string of item: "Item 2"

## Item

Identifier of item: 3  
 Text string of item: "Item 3"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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

## Item #3

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 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 00 | B4 |
|          | D1 | 0C | 00 | 06 | 00 | B4 | 00 | 06 | 00 | B4 | 00 | 06 |
|          | 00 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

PROACTIVE COMMAND: SET UP MENU 6.1.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 2"

## Item

Identifier of item: 4  
 Text string of item: "Item 4"

## Item

Identifier of item: 5  
 Text string of item: "Item 5"

## Item

Identifier of item: 6  
 Text string of item: "Item 6"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 32 | 8F | 07 | 04 | 49 | 74 | 65 | 6D | 20 | 34 |
|          | 8F | 07 | 05 | 49 | 74 | 65 | 6D | 20 | 35 | 8F | 07 | 06 |
|          | 49 | 74 | 65 | 6D | 20 | 36 |    |    |    |    |    |    |

## ENVELOPE 6.1.1: MENU SELECTION

Logically:

Menu selection

|                     |        |
|---------------------|--------|
| Device identities   |        |
| Source device:      | Keypad |
| Destination device: | UICC   |
| Item identifier     | 02     |

Coding:

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

## ENVELOPE 6.1.2: MENU SELECTION

Logically:

Menu selection

|                     |        |
|---------------------|--------|
| Device identities   |        |
| Source device:      | Keypad |
| Destination device: | UICC   |
| Item identifier     | 05     |

Coding:

|          |    |    |    |    |    |    |    |    |    |  |  |
|----------|----|----|----|----|----|----|----|----|----|--|--|
| BER-TLV: | D3 | 07 | 82 | 02 | 01 | 81 | 90 | 01 | 05 |  |  |
|----------|----|----|----|----|----|----|----|----|----|--|--|

## 27.22.4.8.6.1.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.8.6.2.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.2.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.2.1  |  |
| 4    | Terminal → USER | Integrate the menu header of "Toolkit Menu 1" into its menu system and have the menu items of "Item 1", "Item 2", "Item 3" under this header. |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.2.1   | Command Performed Successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 1"  |  |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3" under the header of "Toolkit Menu 1".  | Verify text attribute of the alpha identifier and of each item are displayed with center alignment.  |
| 9    | USER → Terminal | Navigate in the items, then select "Item 2".  |  |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.2.2   |  |
| 12   | Terminal → UICC | FETCH   |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.2.2  |  |
| 14   | Terminal → USER | Integrate the menu header of "Toolkit Menu 2" into its menu system and have the menu items of "Item 4", "Item 5", "Item 6" under this header. |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.2.1   | Command Performed Successfully.  |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 2"  |  |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6" under the header of "Toolkit Menu 2".  | Verify text attribute of the alpha identifier and of each item are displayed without center alignment.<br>Remark: If center alignment is the Terminal's default alignment as declared in table A.2/9, no alignment change will take place. |
| 19   | USER → Terminal | Navigate in the items, then select "Item 5".  |  |
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2:<br>MENU SELECTION<br>(Identifier of item: 5)   |  |

PROACTIVE COMMAND: SET UP MENU 6.2.1

Logically:

Command details

|                    |             |
|--------------------|-------------|
| Command number:    | 1           |
| Command type:      | SET UP MENU |
| Command qualifier: | "00"        |

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

Item

Identifier of item: 1  
 Text string of item: "Item 1"

Item

Identifier of item: 2  
 Text string of item: "Item 2"

Item

Identifier of item: 3  
 Text string of item: "Item 3"

Text Attribute

Formatting position: 0  
 Formatting length: 14  
 Formatting mode: Centre Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Colour: Dark Green Foreground, Bright Yellow Background

Item Text Attribute List

Text Attribute List:  
 Item #1  
 Formatting position: 0  
 Formatting length: 6  
 Formatting mode: Centre Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Colour: Dark Green Foreground, Bright Yellow Background

Item #2

Formatting position: 0  
 Formatting length: 6  
 Formatting mode: Centre Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Colour: Dark Green Foreground, Bright Yellow Background

Item #3

Formatting position: 0  
 Formatting length: 6  
 Formatting mode: Centre Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Colour: Dark Green Foreground, Bright Yellow Background

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 01 | B4 |
|          | D1 | 0C | 00 | 06 | 01 | B4 | 00 | 06 | 01 | B4 | 00 | 06 |
|          | 01 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.2.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: SET UP MENU 6.2.2

## Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 2"

## Item

Identifier of item: 4  
 Text string of item: "Item 4"

## Item

Identifier of item: 5  
 Text string of item: "Item 5"

## Item

Identifier of item: 6  
 Text string of item: "Item 6"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 32 | 8F | 07 | 04 | 49 | 74 | 65 | 6D | 20 | 34 |
|          | 8F | 07 | 05 | 49 | 74 | 65 | 6D | 20 | 35 | 8F | 07 | 06 |
|          | 49 | 74 | 65 | 6D | 20 | 36 |    |    |    |    |    |    |

## 27.22.4.8.6.2.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.8.6.3.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.3.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.3.1  |  |
| 4    | Terminal → USER | Integrate the menu header of "Toolkit Menu 1" into its menu system and have the menu items of "Item 1", "Item 2", "Item 3" under this header. |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.3.1   | Command Performed Successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"   |  |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify text attribute of the alpha identifier and of each item are displayed with right alignment.   |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |  |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.3.2   |  |
| 12   | Terminal → UICC | FETCH   |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.3.2  |  |
| 14   | Terminal → USER | Integrate the menu header of "Toolkit Menu 2" into its menu system and have the menu items of "Item 4", "Item 5", "Item 6" under this header. |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.3.1   | Command Performed Successfully.  |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 2"   |  |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6"<br>under the header of "Toolkit Menu<br>2".  | Verify text attribute of the alpha identifier and of each item are displayed without right alignment.<br>Remark: If right alignment is the Terminal's default alignment as declared in table A.2/9, no alignment change will take place. |



| Step | Direction       | Message/Action  | Comments |
|------|-----------------|---|----------|
| 19   | USER → Terminal | Navigate in the items, then select "Item 5".                    |          |
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5) |          |

## PROACTIVE COMMAND: SET UP MENU 6.3.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

## Item

Identifier of item: 1  
 Text string of item: "Item 1"

## Item

Identifier of item: 2  
 Text string of item: "Item 2"

## Item

Identifier of item: 3  
 Text string of item: "Item 3"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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

## Item #3

Formatting position: 0  
 Formatting length: 6  
 Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Text colour: Foreground: black, background: white

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 02 | B4 |
|          | D1 | 0C | 00 | 06 | 02 | B4 | 00 | 06 | 02 | B4 | 00 | 06 |
|          | 02 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.3.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

PROACTIVE COMMAND: SET UP MENU 6.3.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 2"

## Item

Identifier of item: 4  
 Text string of item: "Item 4"

## Item

Identifier of item: 5  
 Text string of item: "Item 5"

## Item

Identifier of item: 6  
 Text string of item: "Item 6"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 32 | 8F | 07 | 04 | 49 | 74 | 65 | 6D | 20 | 34 |
|          | 8F | 07 | 05 | 49 | 74 | 65 | 6D | 20 | 35 | 8F | 07 | 06 |
|          | 49 | 74 | 65 | 6D | 20 | 36 |    |    |    |    |    |    |

## 27.22.4.8.6.3.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.8.6.4.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.1   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.4.1  |   |
| 4    | Terminal → USER | Integrate the menu header of "Toolkit Menu 1" into its menu system and have the menu items of "Item 1", "Item 2", "Item 3" under this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.4.1   | Command Performed Successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 1"   |   |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify that the alpha identifier and each item is displayed with large font size. |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |   |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.2   |   |
| 12   | Terminal → UICC | FETCH   |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.4.2  |   |
| 14   | Terminal → USER | Integrate the menu header of "Toolkit Menu 2" into its menu system and have the menu items of "Item 4", "Item 5", "Item 6" under this header.             |   |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.4.1   | Command Performed Successfully.   |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 2"   |   |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6"<br>under the header of "Toolkit Menu<br>2".  | Verify that the alpha identifier and each item<br>is displayed with normal font size. |
| 19   | USER → Terminal | Navigate in the items, then select<br>"Item 5".   |   |
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2:<br>MENU SELECTION<br>(Identifier of item: 5)   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.1   |   |
| 22   | Terminal → UICC | FETCH   |   |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.4.1  |   |
| 24   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |   |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.4.1   | Command Performed Successfully.   |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 27   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 1"   |   |
| 28   | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify that the alpha identifier and each item<br>is displayed with large font size.  |
| 29   | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |   |
| 30   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |
| 31   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.3   |   |
| 32   | Terminal → UICC | FETCH   |   |
| 33   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.4.3  |   |
| 34   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 3" into its menu<br>system and have the menu items<br>of "Item 7", "Item 8", "Item 9" under<br>this header. |   |
| 35   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.4.1   | Command Performed Successfully.   |
| 36   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 37   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 3"   |   |

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 38   | Terminal → USER | Display "Item 7", "Item 8", "Item 9" under the header of "Toolkit Menu 3". | Verify that the alpha identifier and each item is displayed with normal font size. |
| 39   | USER → Terminal | Navigate in the items, then select "Item 8".                               |  |
| 40   | Terminal → UICC | Send the ENVELOPE 6.4.1:<br>MENU SELECTION<br>(Identifier of item: 8)      |  |

## PROACTIVE COMMAND: SET UP MENU 6.4.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

## Item

Identifier of item: 1  
 Text string of item: "Item 1"

## Item

Identifier of item: 2  
 Text string of item: "Item 2"

## Item

Identifier of item: 3  
 Text string of item: "Item 3"

## Text Attribute

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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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

## Item #3

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 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 04 | B4 |
|          | D1 | 0C | 00 | 06 | 04 | B4 | 00 | 06 | 04 | B4 | 00 | 06 |
|          | 04 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.4.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

PROACTIVE COMMAND: SET UP MENU 6.4.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 2"

## Item

Identifier of item: 4  
 Text string of item: "Item 4"

## Item

Identifier of item: 5  
 Text string of item: "Item 5"

## Item

Identifier of item: 6  
 Text string of item: "Item 6"

## 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

Item Text Attribute List

Text Attribute List:

Item #1

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

Item #2

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

Item #3

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 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 32 | 8F | 07 | 04 | 49 | 74 | 65 | 6D | 20 | 34 |
|          | 8F | 07 | 05 | 49 | 74 | 65 | 6D | 20 | 35 | 8F | 07 | 06 |
|          | 49 | 74 | 65 | 6D | 20 | 36 | D0 | 04 | 00 | 0E | 00 | B4 |
|          | D1 | 0C | 00 | 06 | 00 | B4 | 00 | 06 | 00 | B4 | 00 | 06 |
|          | 00 | B4 |    |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SET UP MENU 6.4.3

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 3"

Item

Identifier of item: 7  
 Text string of item: "Item 7"

Item

Identifier of item: 8  
 Text string of item: "Item 8"

Item

Identifier of item: 9  
 Text string of item: "Item 9"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 33 | 8F | 07 | 07 | 49 | 74 | 65 | 6D | 20 | 37 |
|          | 8F | 07 | 08 | 49 | 74 | 65 | 6D | 20 | 38 | 8F | 07 | 09 |
|          | 49 | 74 | 65 | 6D | 20 | 39 |    |    |    |    |    |    |

#### ENVELOPE 6.4.1: MENU SELECTION

Logically:

##### Menu selection

Device identities

Source device:

Keypad

Destination device:

UICC

Item identifier

08

Coding:

|          |    |    |    |    |    |    |    |    |    |  |  |
|----------|----|----|----|----|----|----|----|----|----|--|--|
| BER-TLV: | D3 | 07 | 82 | 02 | 01 | 81 | 90 | 01 | 08 |  |  |
|----------|----|----|----|----|----|----|----|----|----|--|--|

#### 27.22.4.8.6.4.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

##### 27.22.4.8.6.5.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.5.1   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.5.1  |   |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.5.1   | Command Performed Successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 1"   |   |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify that the alpha identifier and each item<br>is displayed with small font size.  |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |   |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.2   |   |
| 12   | Terminal → UICC | FETCH   |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.4.2  |   |
| 14   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 2" into its menu<br>system and have the menu items<br>of "Item 4", "Item 5", "Item 6" under<br>this header. |   |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.5.1   | Command Performed Successfully.   |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 2"   |   |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6"<br>under the header of "Toolkit Menu<br>2".  | Verify that the alpha identifier and each item<br>is displayed with normal font size. |
| 19   | USER → Terminal | Navigate in the items, then select<br>"Item 5".   |   |
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2:<br>MENU SELECTION<br>(Identifier of item: 5)   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.5.1   |   |
| 22   | Terminal → UICC | FETCH   |   |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.5.1  |   |
| 24   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |   |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.5.1   | Command Performed Successfully.   |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 26   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 27   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 1"  |  |
| 28   | Terminal → USER | Display "Item 1", "Item 2", "Item 3" under the header of "Toolkit Menu 1".  | Verify that the alpha identifier and each item is displayed with small font size.  |
| 29   | USER → Terminal | Navigate in the items, then select "Item 2".  |  |
| 30   | Terminal → UICC | Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)   |  |
| 31   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3  |  |
| 32   | Terminal → UICC | FETCH   |  |
| 33   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.4.3   |  |
| 34   | Terminal → USER | Integrate the menu header of "Toolkit Menu 3" into its menu system and have the menu items of "Item 7", "Item 8", "Item 9" under this header. |  |
| 35   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.5.1  | Command Performed Successfully.  |
| 36   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 37   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 3"  |  |
| 38   | Terminal → USER | Display "Item 7", "Item 8", "Item 9" under the header of "Toolkit Menu 3".  | Verify that the alpha identifier and each item is displayed with normal font size. |
| 39   | USER → Terminal | Navigate in the items, then select "Item 8".  |  |
| 40   | Terminal → UICC | Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8)   |  |

#### PROACTIVE COMMAND: SET UP MENU 6.5.1

Logically:

##### Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

##### Item

Identifier of item: 1  
 Text string of item: "Item 1"

##### Item

Identifier of item: 2  
 Text string of item: "Item 2"

##### Item

Identifier of item: 3  
 Text string of item: "Item 3"

Text Attribute

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

Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

Item #2  
 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

Item #3  
 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 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 08 | B4 |
|          | D1 | 0C | 00 | 06 | 08 | B4 | 00 | 06 | 08 | B4 | 00 | 06 |
|          | 08 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.5.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.8.6.5.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

#### 27.22.4.8.6.6.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.6.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.6.1  |  |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.6.1   | Command Performed Successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 1"   |  |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify that the alpha identifier and each item<br>is displayed with bold on. |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |  |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.2   |  |
| 12   | Terminal → UICC | FETCH   |  |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.4.2   |  |
| 14   | Terminal → USER | Integrate the menu header of "Toolkit Menu 2" into its menu system and have the menu items of "Item 4", "Item 5", "Item 6" under this header. |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.6.1  | Command Performed Successfully.  |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 2"  |  |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6" under the header of "Toolkit Menu 2".  | Verify that the alpha identifier and each item is displayed with bold off. |
| 19   | USER → Terminal | Navigate in the items, then select "Item 5".  |  |
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 6.6.1  |  |
| 22   | Terminal → UICC | FETCH   |  |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.6.1   |  |
| 24   | Terminal → USER | Integrate the menu header of "Toolkit Menu 1" into its menu system and have the menu items of "Item 1", "Item 2", "Item 3" under this header. |  |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.6.1  | Command Performed Successfully.  |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 27   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 1"  |  |
| 28   | Terminal → USER | Display "Item 1", "Item 2", "Item 3" under the header of "Toolkit Menu 1".  | Verify that the alpha identifier and each item is displayed with bold on.  |
| 29   | USER → Terminal | Navigate in the items, then select "Item 2".  |  |
| 30   | Terminal → UICC | Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)   |  |
| 31   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3  |  |
| 32   | Terminal → UICC | FETCH   |  |
| 33   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.4.3   |  |
| 34   | Terminal → USER | Integrate the menu header of "Toolkit Menu 3" into its menu system and have the menu items of "Item 7", "Item 8", "Item 9" under this header. |  |
| 35   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.6.1  | Command Performed Successfully.  |
| 36   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 37   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 3"  |  |
| 38   | Terminal → USER | Display "Item 7", "Item 8", "Item 9" under the header of "Toolkit Menu 3".  | Verify that the alpha identifier and each item is displayed with bold off. |

| Step | Direction       | Message/Action  | Comments |
|------|-----------------|---|----------|
| 39   | USER → Terminal | Navigate in the items, then select "Item 8".                    |          |
| 40   | Terminal → UICC | Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8) |          |

## PROACTIVE COMMAND: SET UP MENU 6.6.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

## Item

Identifier of item: 1  
 Text string of item: "Item 1"

## Item

Identifier of item: 2  
 Text string of item: "Item 2"

## Item

Identifier of item: 3  
 Text string of item: "Item 3"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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

## Item #3

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 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 10 | B4 |
|          | D1 | 0C | 00 | 06 | 10 | B4 | 00 | 06 | 10 | B4 | 00 | 06 |
|          | 10 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.6.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.8.6.6.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.7.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.7.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.7.1  |  |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.7.1   | Command Performed Successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 1"   |  |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify that the alpha identifier and each item<br>is displayed with italics on.  |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |  |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.2   |  |
| 12   | Terminal → UICC | FETCH   |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.4.2  |  |
| 14   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 2" into its menu<br>system and have the menu items<br>of "Item 4", "Item 5", "Item 6" under<br>this header. |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.7.1   | Command Performed Successfully.  |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 2"   |  |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6"<br>under the header of "Toolkit Menu<br>2".  | Verify that the alpha identifier and each item<br>is displayed with italics off. |
| 19   | USER → Terminal | Navigate in the items, then select<br>"Item 5".   |  |
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2:<br>MENU SELECTION<br>(Identifier of item: 5)   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.7.1   |  |
| 22   | Terminal → UICC | FETCH   |  |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.7.1  |  |
| 24   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |  |



| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.7.1  | Command Performed Successfully.   |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 27   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 1"  |   |
| 28   | Terminal → USER | Display "Item 1", "Item 2", "Item 3" under the header of "Toolkit Menu 1".  | Verify that the alpha identifier and each item is displayed with italics on.  |
| 29   | USER → Terminal | Navigate in the items, then select "Item 2".  |   |
| 30   | Terminal → UICC | Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)   |   |
| 31   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3  |   |
| 32   | Terminal → UICC | FETCH   |   |
| 33   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.4.3   |   |
| 34   | Terminal → USER | Integrate the menu header of "Toolkit Menu 3" into its menu system and have the menu items of "Item 7", "Item 8", "Item 9" under this header. |   |
| 35   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.7.1  | Command Performed Successfully.   |
| 36   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 37   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 3"  |   |
| 38   | Terminal → USER | Display "Item 7", "Item 8", "Item 9" under the header of "Toolkit Menu 3".  | Verify that the alpha identifier and each item is displayed with italics off. |
| 39   | USER → Terminal | Navigate in the items, then select "Item 8".  |   |
| 40   | Terminal → UICC | Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8)   |   |

#### PROACTIVE COMMAND: SET UP MENU 6.7.1

Logically:

##### Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

##### Item

Identifier of item: 1  
 Text string of item: "Item 1"

##### Item

Identifier of item: 2  
 Text string of item: "Item 2"

##### Item

Identifier of item: 3  
 Text string of item: "Item 3"

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

Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

Item #2  
 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

Item #3  
 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 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 20 | B4 |
|          | D1 | 0C | 00 | 06 | 20 | B4 | 00 | 06 | 20 | B4 | 00 | 06 |
|          | 20 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.7.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.8.6.7.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

#### 27.22.4.8.6.8.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.8.1   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.8.1  |   |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.8.1   | Command Performed Successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 1"   |   |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify that the alpha identifier and each item<br>is displayed with underline on. |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |   |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.2   |   |
| 12   | Terminal → UICC | FETCH   |   |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.4.2   |   |
| 14   | Terminal → USER | Integrate the menu header of "Toolkit Menu 2" into its menu system and have the menu items of "Item 4", "Item 5", "Item 6" under this header. |   |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.8.1  | Command Performed Successfully.   |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 2"  |   |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6" under the header of "Toolkit Menu 2".  | Verify that the alpha identifier and each item is displayed with underline off. |
| 19   | USER → Terminal | Navigate in the items, then select "Item 5".  |   |
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 6.8.1  |   |
| 22   | Terminal → UICC | FETCH   |   |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.8.1   |   |
| 24   | Terminal → USER | Integrate the menu header of "Toolkit Menu 1" into its menu system and have the menu items of "Item 1", "Item 2", "Item 3" under this header. |   |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.8.1  | Command Performed Successfully.   |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 27   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 1"  |   |
| 28   | Terminal → USER | Display "Item 1", "Item 2", "Item 3" under the header of "Toolkit Menu 1".  | Verify that the alpha identifier and each item is displayed with underline on.  |
| 29   | USER → Terminal | Navigate in the items, then select "Item 2".  |   |
| 30   | Terminal → UICC | Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)   |   |
| 31   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3  |   |
| 32   | Terminal → UICC | FETCH   |   |
| 33   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.4.3   |   |
| 34   | Terminal → USER | Integrate the menu header of "Toolkit Menu 3" into its menu system and have the menu items of "Item 7", "Item 8", "Item 9" under this header. |   |
| 35   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.8.1  | Command Performed Successfully.   |
| 36   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 37   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 3"  |   |
| 38   | Terminal → USER | Display "Item 7", "Item 8", "Item 9" under the header of "Toolkit Menu 3".  | Verify that the alpha identifier and each item is displayed with underline off. |

| Step | Direction       | Message/Action  | Comments |
|------|-----------------|---|----------|
| 39   | USER → Terminal | Navigate in the items, then select "Item 8".                    |          |
| 40   | Terminal → UICC | Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8) |          |

## PROACTIVE COMMAND: SET UP MENU 6.8.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

## Item

Identifier of item: 1  
 Text string of item: "Item 1"

## Item

Identifier of item: 2  
 Text string of item: "Item 2"

## Item

Identifier of item: 3  
 Text string of item: "Item 3"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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

## Item #3

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 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 40 | B4 |
|          | D1 | 0C | 00 | 06 | 40 | B4 | 00 | 06 | 40 | B4 | 00 | 06 |
|          | 40 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.8.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.8.6.8.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.9.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.9.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.9.1  |  |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.9.1   | Command Performed Successfully.  |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 1"   |  |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit Menu<br>1".  | Verify that the alpha identifier and each item<br>is displayed with strikethrough on.  |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |  |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.2   |  |
| 12   | Terminal → UICC | FETCH   |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.4.2  |  |
| 14   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 2" into its menu<br>system and have the menu items<br>of "Item 4", "Item 5", "Item 6" under<br>this header. |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.9.1   | Command Performed Successfully.  |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu 2"   |  |
| 18   | Terminal → USER | Display "Item 4", "Item 5", "Item 6"<br>under the header of "Toolkit Menu<br>2".  | Verify that the alpha identifier and each item<br>is displayed with strikethrough off. |
| 19   | USER → Terminal | Navigate in the items, then select<br>"Item 5".   |  |
| 20   | Terminal → UICC | Send the ENVELOPE 6.1.2:<br>MENU SELECTION<br>(Identifier of item: 5)   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.9.1   |  |
| 22   | Terminal → UICC | FETCH   |  |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.9.1  |  |
| 24   | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu 1" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |  |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.9.1  | Command Performed Successfully.   |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 27   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 1"  |   |
| 28   | Terminal → USER | Display "Item 1", "Item 2", "Item 3" under the header of "Toolkit Menu 1".  | Verify that the alpha identifier and each item is displayed with strikethrough on.  |
| 29   | USER → Terminal | Navigate in the items, then select "Item 2".  |   |
| 30   | Terminal → UICC | Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)   |   |
| 31   | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3  |   |
| 32   | Terminal → UICC | FETCH   |   |
| 33   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.4.3   |   |
| 34   | Terminal → USER | Integrate the menu header of "Toolkit Menu 3" into its menu system and have the menu items of "Item 7", "Item 8", "Item 9" under this header. |   |
| 35   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.9.1  | Command Performed Successfully.   |
| 36   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |   |
| 37   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 3"  |   |
| 38   | Terminal → USER | Display "Item 7", "Item 8", "Item 9" under the header of "Toolkit Menu 3".  | Verify that the alpha identifier and each item is displayed with strikethrough off. |
| 39   | USER → Terminal | Navigate in the items, then select "Item 8".  |   |
| 40   | Terminal → UICC | Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8)   |   |

#### PROACTIVE COMMAND: SET UP MENU 6.9.1

Logically:

##### Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu 1"

##### Item

Identifier of item: 1  
 Text string of item: "Item 1"

##### Item

Identifier of item: 2  
 Text string of item: "Item 2"

##### Item

Identifier of item: 3  
 Text string of item: "Item 3"



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

Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

Item #2  
 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

Item #3  
 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 | 48 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0E | 80 | B4 |
|          | D1 | 0C | 00 | 06 | 80 | B4 | 00 | 06 | 80 | B4 | 00 | 06 |
|          | 80 | B4 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 6.9.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.8.6.9.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

27.22.4.8.6.10.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.10.1  |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 6.10.1   |   |
| 4    | Terminal → USER | Integrate the menu header of<br>"Toolkit Menu" into its menu<br>system and have the menu items<br>of "Item 1", "Item 2", "Item 3" under<br>this header. |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 6.10.1  | Command Performed Successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 7    | USER → Terminal | Select the Toolkit Menu "Toolkit<br>Menu"   |   |
| 8    | Terminal → USER | Display "Item 1", "Item 2", "Item 3"<br>under the header of "Toolkit<br>Menu".  | Verify that the alpha identifier and each item<br>is formatted according to the foreground and<br>background colour text attribute configuration. |
| 9    | USER → Terminal | Navigate in the items, then select<br>"Item 2".   |   |
| 10   | Terminal → UICC | Send the ENVELOPE 6.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 6.4.3   |   |
| 12   | Terminal → UICC | FETCH   |   |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 6.4.3   |  |
| 14   | Terminal → USER | Integrate the menu header of "Toolkit Menu 3" into its menu system and have the menu items of "Item 7", "Item 8", "Item 9" under this header. |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 6.10.1   | Command Performed Successfully.  |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |
| 17   | USER → Terminal | Select the Toolkit Menu "Toolkit Menu 3"  |  |
| 18   | Terminal → USER | Display "Item 7", "Item 8", "Item 9" under the header of "Toolkit Menu 3".  | Verify that the alpha identifier and each item is formatted with the Terminal's default foreground and background colour |
| 19   | USER → Terminal | Navigate in the items, then select "Item 8".  |  |
| 20   | Terminal → UICC | Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8)   |  |

#### PROACTIVE COMMAND: SET UP MENU 6.10.1

Logically:

##### Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Menu"

##### Item

Identifier of item: 1  
 Text string of item: "Item 1"

##### Item

Identifier of item: 2  
 Text string of item: "Item 2"

##### Item

Identifier of item: 3  
 Text string of item: "Item 3"

##### Text Attribute

Formatting position: 0  
 Formatting length: 12  
 Formatting mode: Left Alignment, Normal Font, Bold Off, Italic Off, Underline Off, Strikethrough Off  
 Colour: Dark Green Foreground, Bright Yellow Background

## Item Text Attribute List

## Text Attribute List:

## Item #1

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

## Item #2

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

## Item #3

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 | 46 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0C | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 4D | 65 | 6E |
|          | 75 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 | 8F | 07 |
|          | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 | 49 | 74 |
|          | 65 | 6D | 20 | 33 | D0 | 04 | 00 | 0C | 00 | B4 | D1 | 0C |
|          | 00 | 06 | 00 | B4 | 00 | 06 | 00 | B4 | 00 | 06 | 00 | B4 |

## TERMINAL RESPONSE: SET UP MENU 6.10.1

## Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## 27.22.4.8.6.10.5 Test requirement

The Terminal 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 Terminal shall support the SET UP MENU command as defined in:

- ETSI TS 102 223 [1], clauses 5, 6.4.8, 6.6.7, 6.8, 6.11, 8.6, 8.7, 8.2, 8.9 and 9.4.

The Terminal shall support MENU SELECTION as defined in:

- ETSI TS 102 223 [1], clauses 4.4, 5.2, 6.4.8, 6.9, 7.2, 8.7 and 8.10.

#### 27.22.4.8.7.3 Test purpose

To verify that the Terminal 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 Terminal replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the Terminal removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the Terminal 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 has indicated the need to get help information on one of the items, the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments                            |
|------|-----------------|--|-------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 7.1.1  | First Set Up Menu.                  |
| 2    | Terminal → UICC | FETCH  |                                     |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 7.1.1   |                                     |
| 4    | Terminal → USER | Integrate the menu header of "ЗДРАВСТВУЙТЕ" into its menu system and have the menu items of "ЗДРАВСТВУЙТЕ1", "ЗДРАВСТВУЙТЕ2", "ЗДРАВСТВУЙТЕ3" and "ЗДРАВСТВУЙТЕ4" under this header. | "ЗДРАВСТВУЙТЕ": "Hello" in Russian. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 7.1.1  | Command Performed Successfully.     |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |                                     |
| 7    | USER → Terminal | Select the Toolkit Menu<br>"ЗДРАВСТВУЙТЕ"  |                                     |

| Step | Direction       | Message/Action  | Comments                                |
|------|-----------------|---|---|
| 8    | Terminal → USER | Display "ЗДРАВСТВУЙТЕ1",<br>"ЗДРАВСТВУЙТЕ2",<br>"ЗДРАВСТВУЙТЕ3",<br>"ЗДРАВСТВУЙТЕ4"   |   |
| 9    | USER → Terminal | Select the "ЗДРАВСТВУЙТЕ2"<br>Menu entry  |   |
| 10   | Terminal → UICC | Send the ENVELOPE 7.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 7.1.2   | Second Set Up Menu, REPLACE Old Menu.   |
| 12   | Terminal → UICC | FETCH   |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 7.1.2  |   |
| 14   | Terminal → USER | Integrate the new menu header of<br>"ЗДРАВСТВУЙТЕ" into its menu<br>system and have the menu items<br>of "ЗДРАВСТВУЙТЕ5" and<br>"ЗДРАВСТВУЙТЕ6" under this<br>header. |   |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 7.1.2   | Command Performed Successfully.         |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 17   | USER → Terminal | Select the Toolkit Menu<br>"ЗДРАВСТВУЙТЕ"   |   |
| 18   | Terminal → USER | Display "ЗДРАВСТВУЙТЕ5",<br>"ЗДРАВСТВУЙТЕ 6"  |   |
| 19   | USER → Terminal | Select the "ЗДРАВСТВУЙТЕ6"<br>menu entry  |   |
| 20   | Terminal → UICC | Send the ENVELOPE 7.1.2:<br>MENU SELECTION<br>(Identifier of item: 12)  |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 7.1.3<br>with SW1/SW2 of '91 0F'.   | Third Set Up Menu, REMOVE Toolkit Menu. |
| 22   | Terminal → UICC | FETCH   |   |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 7.1.3  |   |
| 24   | Terminal → USER | Remove the menu<br>"ЗДРАВСТВУЙТЕ" from its menu<br>system.  |   |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 7.1.3   | Command Performed Successfully.         |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 27   | USER → Terminal | Has to unsuccessfully find the<br>Toolkit Menu  |   |

### PROACTIVE COMMAND: SET UP MENU 7.1.1

Logically:

#### Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

#### Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "ЗДРАВСТВУЙТЕ"

|      |                      |                 |
|------|----------------------|-----------------|
| Item | Identifier of item:  | 1               |
|      | Text string of item: | "ЗДРАВСТВУЙТЕ1" |
| Item | Identifier of item:  | 2               |
|      | Text string of item: | "ЗДРАВСТВУЙТЕ2" |
| Item | Identifier of item:  | 3               |
|      | Text string of item: | "ЗДРАВСТВУЙТЕ3" |
| Item | Identifier of item:  | 4               |
|      | Text string of item: | "ЗДРАВСТВУЙТЕ4" |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | 9C | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 |
|          | 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 | 8F | 1C | 01 | 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 | 8F | 1C | 02 |
|          | 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 | 8F | 1C | 03 | 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 | 33 | 8F | 1C | 04 |
|          | 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 | 34 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SET UP MENU 7.1.2

Logically:

|                     |                      |                 |
|---------------------|----------------------|-----------------|
| Command details     |                      |                 |
| Command number:     | 1                    |                 |
| Command type:       | SET UP MENU          |                 |
| Command qualifier:  | "00"                 |                 |
| Device identities   |                      |                 |
| Source device:      | UICC                 |                 |
| Destination device: | Terminal             |                 |
| Alpha identifier:   | "ЗДРАВСТВУЙТЕ"       |                 |
| Item                | Identifier of item:  | "11"            |
|                     | Text string of item: | "ЗДРАВСТВУЙТЕ5" |
| Item                | Identifier of item:  | "12"            |
|                     | Text string of item: | "ЗДРАВСТВУЙТЕ6" |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 60 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 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 | 8F | 1C | 11 | 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 | 35 | 8F | 1C | 12 | 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 | 36 |    |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SET UP MENU 7.1.3

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: Null data object

Item: Empty

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 00 | 8F | 00 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 7.1.1, 7.1.2 and 7.1.3

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE 7.1.1: MENU SELECTION

Logically:

Menu selection

Device identities  
 Source device: Keypad  
 Destination device: UICC  
 Item identifier: 02

Coding:

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



## ENVELOPE 7.1.2: MENU SELECTION

Logically:

Menu selection

|                     |        |
|---------------------|--------|
| Device identities   |        |
| Source device:      | Keypad |
| Destination device: | UICC   |
| Item identifier     | 12     |

Coding:

|          |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D3 | 07 | 82 | 02 | 01 | 81 | 90 | 01 | 12 |
|----------|----|----|----|----|----|----|----|----|----|

## 27.22.4.8.7.5 Test requirement

The Terminal 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 Terminal shall support the SET UP MENU command as defined in:

- ETSI TS 102 223 [1], clauses 5, 6.4.8, 6.6.7, 6.8, 6.11, 8.6, 8.7, 8.2, 8.9 and 9.4.

The Terminal shall support MENU SELECTION as defined in:

- ETSI TS 102 223 [1], clauses 4.4, 5.2, 6.4.8, 6.9, 7.2, 8.7 and 8.10.

## 27.22.4.8.8.3 Test purpose

To verify that the Terminal 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 Terminal replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the Terminal removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the Terminal 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 has indicated the need to get help information on one of the items, the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 8.1.1   | First Set Up Menu.  |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 8.1.1  |   |
| 4    | Terminal → USER | Integrate the menu header of "工具箱" into its menu system and have the menu items of "项目一", "项目二", "项目三" and "项目四" under this header. | "工具箱": "Toolkit Menu" in Chinese.<br>"项目一": "Item 1" in Chinese.<br>"项目二": "Item 2" in Chinese.<br>"项目三": "Item 3" in Chinese.<br>"项目四": "Item 4" in Chinese. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 8.1.1   | Command Performed Successfully.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 7    | USER → Terminal | Select the Toolkit Menu "工具箱"   |   |
| 8    | Terminal → USER | Display "项目一", "项目二", "项目三", "项目四"  |   |
| 9    | USER → Terminal | Select the "项目二" Menu entry   |   |
| 10   | Terminal → UICC | Send the ENVELOPE 8.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)   |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 8.1.2   | Second Set Up Menu, REPLACE Old Menu  |
| 12   | Terminal → UICC | FETCH   |   |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 8.1.2  |   |
| 14   | Terminal → USER | Integrate the new menu header of "工具箱" into its menu system and have the menu items of "一" and "二" under this header.               | "一": "One" in Chinese.<br>"二": "Two" in Chinese.  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 8.1.2   | Command Performed Successfully.   |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |
| 17   | USER → Terminal | Select the Toolkit Menu "工具箱"   |   |
| 18   | Terminal → USER | Display "一", "二"  |   |
| 19   | USER → Terminal | Select the "二" menu entry   |   |
| 20   | Terminal → UICC | Send the ENVELOPE 8.1.2:<br>MENU SELECTION<br>(Identifier of item: 12)  |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 8.1.3<br>with SW1/SW2 of '91 0F'.   | Third Set Up Menu, REMOVE Toolkit Menu.   |
| 22   | Terminal → UICC | FETCH   |   |
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 8.1.3  |   |
| 24   | Terminal → USER | Remove the menu "工具箱" from its menu system.   |   |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 8.1.3   | Command Performed Successfully.   |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |   |

| Step | Direction       | Message/Action                              | Comments |
|------|-----------------|---|----------|
| 27   | USER → Terminal | Has to unsuccessfully find the Toolkit Menu |          |

PROACTIVE COMMAND: SET UP MENU 8.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "工具箱单"

Item

Identifier of item: 1  
 Text string of item: "项目一"

Item

Identifier of item: 2  
 Text string of item: "项目二"

Item

Identifier of item: 3  
 Text string of item: "项目三"

Item

Identifier of item: 4  
 Text string of item: "项目四"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 3C | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 09 | 80 | 5D | E5 | 51 | 77 | 7B | B1 | 53 | 55 | 8F | 08 |
|          | 01 | 80 | 98 | 79 | 76 | EE | 4E | 00 | 8F | 08 | 02 | 80 |
|          | 98 | 79 | 76 | EE | 4E | 8C | 8F | 08 | 03 | 80 | 98 | 79 |
|          | 76 | EE | 4E | 09 | 8F | 08 | 04 | 80 | 98 | 79 | 76 | EE |
|          | 56 | DB |    |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SET UP MENU 8.1.2

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "工具箱单"

Item

Identifier of item: "11"  
 Text string of item: "—"

## Item

Identifier of item: "12"  
 Text string of item: " = "

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 20 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 09 | 80 | 5D | E5 | 51 | 77 | 7B | B1 | 53 | 55 | 8F | 04 |
|          | 11 | 80 | 4E | 00 | 8F | 04 | 12 | 80 | 4E | 8C |    |    |

## PROACTIVE COMMAND: SET UP MENU 8.1.3

## Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: Null data object

Item: Empty

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 00 | 8F | 00 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP MENU 8.1.1, 8.1.2 and 8.1.3

## Logically:

## Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE 8.1.1: MENU SELECTION

## Logically:

## Menu selection

Device identities  
 Source device: Keypad  
 Destination device: UICC  
 Item identifier: 02

Coding:

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

#### ENVELOPE 8.1.2: MENU SELECTION

Logically:

##### Menu selection

|                     |        |
|---------------------|--------|
| Device identities   |        |
| Source device:      | Keypad |
| Destination device: | UICC   |
| Item identifier     | 12     |

Coding:

|          |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D3 | 07 | 82 | 02 | 01 | 81 | 90 | 01 | 12 |
|----------|----|----|----|----|----|----|----|----|----|

#### 27.22.4.8.8.5 Test requirement

The Terminal 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 Terminal shall support the SET UP MENU command as defined in:

- ETSI TS 102 223 [1], clauses 5, 6.4.8, 6.6.7, 6.8, 6.11, 8.6, 8.7, 8.2, 8.9 and 9.4.

The Terminal shall support MENU SELECTION as defined in:

- ETSI TS 102 223 [1], clauses 4.4, 5.2, 6.4.8, 6.9, 7.2, 8.7 and 8.10.

##### 27.22.4.8.9.3 Test purpose

To verify that the Terminal 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 Terminal replaces the current list of menu items with the list of menu items contained in the SET UP MENU command.

To verify that the Terminal removes the current list of menu items following receipt of a SET UP MENU command with no items.

To verify that the Terminal 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 has indicated the need to get help information on one of the items, the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

The Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 9.1.1  | First Set Up Menu.                                     |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 9.1.1   |  |
| 4    | Terminal → USER | Integrate the menu header of "80ル0" into its menu system and have the menu items of "80ル1", "80ル2", "80ル3" and "80ル4" under this header. | Menu Header and menu items use characters in Katakana. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 9.1.1  | Command Performed Successfully.                        |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 7    | USER → Terminal | Select the Toolkit Menu "80ル0"   |  |
| 8    | Terminal → USER | Display "80ル1", "80ル2", "80ル3",<br>"80ル4"  |  |
| 9    | USER → Terminal | Select the "80ル2" Menu entry   |  |
| 10   | Terminal → UICC | Send the ENVELOPE 9.1.1:<br>MENU SELECTION<br>(Identifier of item: 2)  |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 9.1.2  | Second Set Up Menu, REPLACE Old Menu.                  |
| 12   | Terminal → UICC | FETCH  |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND SET UP<br>MENU 9.1.2   |  |
| 14   | Terminal → USER | Integrate the new menu header of "80ル0" into its menu system and have the menu items of "80ル5" and "80ル6" under this header.             |  |
| 15   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>MENU 9.1.2  | Command Performed Successfully.                        |
| 16   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |
| 17   | USER → Terminal | Select the Toolkit Menu "80ル0"   |  |
| 18   | Terminal → USER | Display "80ル5", "80ル6"   |  |
| 19   | USER → Terminal | Select the "80ル6" menu entry   |  |
| 20   | Terminal → UICC | Send the ENVELOPE 9.1.2:<br>MENU SELECTION<br>(Identifier of item: 12)   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP MENU 9.1.3<br>with SW1/SW2 of '91 0F'.  | Third Set Up Menu, REMOVE Toolkit Menu.                |
| 22   | Terminal → UICC | FETCH  |  |

| Step | Direction       | Message/Action                               | Comments                        |
|------|-----------------|--|---------------------------------|
| 23   | UICC → Terminal | PROACTIVE COMMAND SET UP MENU 9.1.3          |                                 |
| 24   | Terminal → USER | Remove the menu "80ル0" from its menu system. |                                 |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP MENU 9.1.3         | Command Performed Successfully. |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION ENDED                 |                                 |
| 27   | USER → Terminal | Has to unsuccessfully find the Toolkit Menu  |                                 |

PROACTIVE COMMAND: SET UP MENU 9.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "80ル0"

Item

Identifier of item: 1  
 Text string of item: "80ル1"

Item

Identifier of item: 2  
 Text string of item: "80ル2"

Item

Identifier of item: 3  
 Text string of item: "80ル3"

Item

Identifier of item: 4  
 Text string of item: "80ル4"

Coding:

| BER-TLV: | D0 | 44 | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 09 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 30 | 8F | 0A |
|          | 01 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 31 | 8F | 0A |
|          | 02 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 32 | 8F | 0A |
|          | 03 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 33 | 8F | 0A |
|          | 04 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 34 |    |    |

PROACTIVE COMMAND: SET UP MENU 9.1.2

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "80JL0"

Item

Identifier of item: "11"  
 Text string of item: "80JL5"

Item

Identifier of item: "12"  
 Text string of item: "80JL6"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2C | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 09 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 30 | 8F | 0A |
|          | 11 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 35 | 8F | 0A |
|          | 12 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 36 |    |    |

PROACTIVE COMMAND: SET UP MENU 9.1.3

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: Null data object

Item: Empty

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 00 | 8F | 00 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP MENU 9.1.1, 9.1.2 and 9.1.3

Logically:

Command details

Command number: 1  
 Command type: SET UP MENU  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 25 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|



## ENVELOPE 9.1.1: MENU SELECTION

Logically:

|                     |        |
|---------------------|--------|
| Menu selection      |        |
| Device identities   |        |
| Source device:      | Keypad |
| Destination device: | UICC   |
| Item identifier     | 02     |

Coding:

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

## ENVELOPE 9.1.2: MENU SELECTION

Logically:

|                     |        |
|---------------------|--------|
| Menu selection      |        |
| Device identities   |        |
| Source device:      | Keypad |
| Destination device: | UICC   |
| Item identifier     | 12     |

Coding:

|          |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D3 | 07 | 82 | 02 | 01 | 81 | 90 | 01 | 12 |
|----------|----|----|----|----|----|----|----|----|----|

## 27.22.4.8.9.5 Test requirement

The Terminal 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 Terminal 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 Terminal shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- ETSI TS 102 223 [1], clauses 5, 6.4.9, 6.6.8, 6.8, 8.6, 8.7, 8.2, 8.9, 9.4 and 10.

## 27.22.4.9.1.3 Test purpose

To verify that the Terminal 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 Terminal allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)

| Step | Direction       | Message/Action   | Comments                        |
|------|-----------------|--|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 1.1.1  |                                 |
| 2    | Terminal → UICC | FETCH  |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 1.1.1  |                                 |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2",<br>"Item 3" and "Item 4" under the<br>header of "Toolkit Select". |                                 |
| 5    | USER → Terminal | Select "Item 2".   |                                 |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 1.1.1  | Command performed successfully. |

#### PROACTIVE COMMAND: SELECT ITEM 1.1.1

Logically:

##### Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select"

##### Item

Identifier of item: 1  
 Text string of item: "Item 1"

##### Item

Identifier of item: 2  
 Text string of item: "Item 2"

##### Item

Identifier of item: 3  
 Text string of item: "Item 3"

##### Item

Identifier of item: 4  
 Text string of item: "Item 4"

Coding:

| BER-TLV: | D0 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | 8F | 07 | 04 | 49 | 74 | 65 |
|          | 6D | 20 | 34 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 1.1.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 02

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action   | Comments                        |
|------|-----------------|--|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 1.2.1  |                                 |
| 2    | Terminal → UICC | FETCH  |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 1.2.1  |                                 |
| 4    | Terminal → USER | Present the items of "Zero", "One", "Two", "Three", "Four", "Five", "Six", "Seven", "Eight", "Nine", "Alpha", "Bravo", "Charlie", "Delta", "Echo", "Fox-trot", "Black", "Brown", "Red", "Orange", "Yellow", "Green", "Blue", "Violet", "Grey", "White", "milli", "micro", "nano" and "pico" under the header of "LargeMenu1" |                                 |
| 5    | USER → Terminal | Select item "Orange".  |                                 |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 1.2.1   | Command performed successfully. |

PROACTIVE COMMAND: SELECT ITEM 1.2.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "LargeMenu1"

Item

Identifier of item: "50"  
 Text string of item: "Zero"

|      |                      |            |
|------|----------------------|------------|
| Item | Identifier of item:  | "4F"       |
|      | Text string of item: | "One"      |
| Item | Identifier of item:  | "4E"       |
|      | Text string of item: | "Two"      |
| Item | Identifier of item:  | "4D"       |
|      | Text string of item: | "Three"    |
| Item | Identifier of item:  | "4C"       |
|      | Text string of item: | "Four"     |
| Item | Identifier of item:  | "4B"       |
|      | Text string of item: | "Five"     |
| Item | Identifier of item:  | "4A"       |
|      | Text string of item: | "Six"      |
| Item | Identifier of item:  | "49"       |
|      | Text string of item: | "Seven"    |
| Item | Identifier of item:  | "48"       |
|      | Text string of item: | "Eight"    |
| Item | Identifier of item:  | "47"       |
|      | Text string of item: | "Nine"     |
| Item | Identifier of item:  | "46"       |
|      | Text string of item: | "Alpha"    |
| Item | Identifier of item:  | "45"       |
|      | Text string of item: | "Bravo"    |
| Item | Identifier of item:  | "44"       |
|      | Text string of item: | "Charlie"  |
| Item | Identifier of item:  | "43"       |
|      | Text string of item: | "Delta"    |
| Item | Identifier of item:  | "42"       |
|      | Text string of item: | "Echo"     |
| Item | Identifier of item:  | "41"       |
|      | Text string of item: | "Fox-trot" |
| Item | Identifier of item:  | "40"       |
|      | Text string of item: | "Black"    |
| Item | Identifier of item:  | "3F"       |
|      | Text string of item: | "Brown"    |
| Item | Identifier of item:  | "3E"       |
|      | Text string of item: | "Red"      |
| Item | Identifier of item:  | "3D"       |
|      | Text string of item: | "Orange"   |
| Item | Identifier of item:  | "3C"       |
|      | Text string of item: | "Yellow"   |

|      |                      |          |
|------|----------------------|----------|
| Item | Identifier of item:  | "3B"     |
|      | Text string of item: | "Green"  |
| Item | Identifier of item:  | "3A"     |
|      | Text string of item: | "Blue"   |
| Item | Identifier of item:  | "39"     |
|      | Text string of item: | "Violet" |
| Item | Identifier of item:  | "38"     |
|      | Text string of item: | "Grey"   |
| Item | Identifier of item:  | "37"     |
|      | Text string of item: | "White"  |
| Item | Identifier of item:  | "36"     |
|      | Text string of item: | "milli"  |
| Item | Identifier of item:  | "35"     |
|      | Text string of item: | "micro"  |
| Item | Identifier of item:  | "34"     |
|      | Text string of item: | "nano"   |
| Item | Identifier of item:  | "33"     |
|      | Text string of item: | "pico"   |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | FC | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 |
|          | 85 | 0A | 4C | 61 | 72 | 67 | 65 | 4D | 65 | 6E | 75 | 31 |
|          | 8F | 05 | 50 | 5A | 65 | 72 | 6F | 8F | 04 | 4F | 4F | 6E |
|          | 65 | 8F | 04 | 4E | 54 | 77 | 6F | 8F | 06 | 4D | 54 | 68 |
|          | 72 | 65 | 65 | 8F | 05 | 4C | 46 | 6F | 75 | 72 | 8F | 05 |
|          | 4B | 46 | 69 | 76 | 65 | 8F | 04 | 4A | 53 | 69 | 78 | 8F |
|          | 06 | 49 | 53 | 65 | 76 | 65 | 6E | 8F | 06 | 48 | 45 | 69 |
|          | 67 | 68 | 74 | 8F | 05 | 47 | 4E | 69 | 6E | 65 | 8F | 06 |
|          | 46 | 41 | 6C | 70 | 68 | 61 | 8F | 06 | 45 | 42 | 72 | 61 |
|          | 76 | 6F | 8F | 08 | 44 | 43 | 68 | 61 | 72 | 6C | 69 | 65 |
|          | 8F | 06 | 43 | 44 | 65 | 6C | 74 | 61 | 8F | 05 | 42 | 45 |
|          | 63 | 68 | 6F | 8F | 09 | 41 | 46 | 6F | 78 | 2D | 74 | 72 |
|          | 6F | 74 | 8F | 06 | 40 | 42 | 6C | 61 | 63 | 6B | 8F | 06 |
|          | 3F | 42 | 72 | 6F | 77 | 6E | 8F | 04 | 3E | 52 | 65 | 64 |
|          | 8F | 07 | 3D | 4F | 72 | 61 | 6E | 67 | 65 | 8F | 07 | 3C |
|          | 59 | 65 | 6C | 6C | 6F | 77 | 8F | 06 | 3B | 47 | 72 | 65 |
|          | 65 | 6E | 8F | 05 | 3A | 42 | 6C | 75 | 65 | 8F | 07 | 39 |
|          | 56 | 69 | 6F | 6C | 65 | 74 | 8F | 05 | 38 | 47 | 72 | 65 |
|          | 79 | 8F | 06 | 37 | 57 | 68 | 69 | 74 | 65 | 8F | 06 | 36 |
|          | 6D | 69 | 6C | 6C | 69 | 8F | 06 | 35 | 6D | 69 | 63 | 72 |
|          | 6F | 8F | 05 | 34 | 6E | 61 | 6E | 6F | 8F | 05 | 33 | 70 |
|          | 69 | 63 | 6F |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 1.2.1

Logically:

Command details

|                    |             |
|--------------------|-------------|
| Command number:    | 1           |
| Command type:      | SELECT ITEM |
| Command qualifier: | "00"        |

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 3D

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 3D |    |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 1.3.1   |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 1.3.1   |                                 |
| 4    | Terminal → USER | Present the items of " Call Forwarding Unconditional", "Call Forwarding On User Busy", "Call Forwarding On No Reply", "Call Forwarding On User Not Reachable", "Barring Of All Outgoing Calls", "Barring Of All Outgoing International Calls" and "CLI Presentation" under the header of " LargeMenu2 |                                 |
| 5    | USER → Terminal | Select item "Barring Of All Outgoing Calls".  |                                 |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 1.3.1  | Command performed successfully. |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |                                 |

PROACTIVE COMMAND: SELECT ITEM 1.3.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "LargeMenu2"

Item

Identifier of item: "FF"  
 Text string of item: "Call Forwarding Unconditional"

Item

Identifier of item: "FE"  
 Text string of item: "Call Forwarding On User Busy"

Item

Identifier of item: "FD"  
 Text string of item: "Call Forwarding On No Reply"

- Item
  - Identifier of item: "FC"
  - Text string of item: "Call Forwarding On User Not Reachable"
- Item
  - Identifier of item: "FB"
  - Text string of item: "Barring Of All Outgoing Calls"
- Item
  - Identifier of item: "FA"
  - Text string of item: "Barring Of All Outgoing International Calls"
- Item
  - Identifier of item: "F9"
  - Text string of item: "CLI Presentation"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | FB | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 |
|          | 85 | 0A | 4C | 61 | 72 | 67 | 65 | 4D | 65 | 6E | 75 | 32 |
|          | 8F | 1E | FF | 43 | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 |
|          | 61 | 72 | 64 | 69 | 6E | 67 | 20 | 55 | 6E | 63 | 6F | 6E |
|          | 64 | 69 | 74 | 69 | 6F | 6E | 61 | 6C | 8F | 1D | FE | 43 |
|          | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 | 61 | 72 | 64 | 69 |
|          | 6E | 67 | 20 | 4F | 6E | 20 | 55 | 73 | 65 | 72 | 20 | 42 |
|          | 75 | 73 | 79 | 8F | 1C | FD | 43 | 61 | 6C | 6C | 20 | 46 |
|          | 6F | 72 | 77 | 61 | 72 | 64 | 69 | 6E | 67 | 20 | 4F | 6E |
|          | 20 | 4E | 6F | 20 | 52 | 65 | 70 | 6C | 79 | 8F | 26 | FC |
|          | 43 | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 | 61 | 72 | 64 |
|          | 69 | 6E | 67 | 20 | 4F | 6E | 20 | 55 | 73 | 65 | 72 | 20 |
|          | 4E | 6F | 74 | 20 | 52 | 65 | 61 | 63 | 68 | 61 | 62 | 6C |
|          | 65 | 8F | 1E | FB | 42 | 61 | 72 | 72 | 69 | 6E | 67 | 20 |
|          | 4F | 66 | 20 | 41 | 6C | 6C | 20 | 4F | 75 | 74 | 67 | 6F |
|          | 69 | 6E | 67 | 20 | 43 | 61 | 6C | 6C | 73 | 8F | 2C | FA |
|          | 42 | 61 | 72 | 72 | 69 | 6E | 67 | 20 | 4F | 66 | 20 | 41 |
|          | 6C | 6C | 20 | 4F | 75 | 74 | 67 | 6F | 69 | 6E | 67 | 20 |
|          | 49 | 6E | 74 | 65 | 72 | 6E | 61 | 74 | 69 | 6F | 6E | 61 |
|          | 6C | 20 | 43 | 61 | 6C | 6C | 73 | 8F | 11 | F9 | 43 | 4C |
|          | 49 | 20 | 50 | 72 | 65 | 73 | 65 | 6E | 74 | 61 | 74 | 69 |
|          | 6F | 6E |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 1.3.1

Logically:

Command details

- Command number: 1
- Command type: SELECT ITEM
- Command qualifier: "00"

Device identities

- Source device: Terminal
- Destination device: UICC

Result

- General Result: Command performed successfully

Item identifier

- Identifier of item chosen: FB

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | FB |    |    |    |    |    |    |    |    |    |

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 1.4.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 1.4.1   |  |
| 4    | Terminal → USER | Present the items of "One" and "Two" under the header of "Select Item".                     |  |
| 5    | USER → Terminal | Indicate to go backwards in the proactive UICC application session.                         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 1.4.1A<br>or<br>TERMINAL RESPONSE: SELECT ITEM 1.4.1B        | Backward move in the proactive UICC application session requested by user. |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 1.4.2   |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 1.4.2   |  |
| 10   | Terminal → USER | Present the items of "One" and "Two" under the header of "Select Item".                     |  |
| 11   | USER → Terminal | Indicate to end the proactive UICC application and return the Terminal to normal operation. |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 1.4.2A<br>or<br>TERMINAL RESPONSE: SELECT ITEM 1.4.2B        | Proactive UICC application terminated by the user.                         |
| 13   | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |  |

PROACTIVE COMMAND: SELECT ITEM 1.4.1 and 1.4.2

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Select Item"

Item

Identifier of item: "11"  
 Text string of item: "One"

Item

Identifier of item: "12"  
 Text string of item: "Two"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0B | 53 | 65 | 6C | 65 | 63 | 74 | 20 | 49 | 74 | 65 | 6D |
|          | 8F | 04 | 11 | 4F | 6E | 65 | 8F | 04 | 12 | 54 | 77 | 6F |



## TERMINAL RESPONSE: SELECT ITEM 1.4.1A

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: backward move in the proactive UICC session requested by the user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## TERMINAL RESPONSE: SELECT ITEM 1.4.1B

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: backward move in the proactive UICC session requested by the user

## Item identifier

Identifier of item chosen: XX

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 11 |
|          | 90 | 01 | XX |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 1.4.2A

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: proactive UICC session terminated by the user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 10 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## TERMINAL RESPONSE: SELECT ITEM 1.4.2B

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: proactive UICC session terminated by the user

## Item identifier

Identifier of item chosen: XX

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 10 |
|          | 90 | 01 | XX |    |    |    |    |    |    |    |    |    |

**Expected Sequence 1.5 (SELECT ITEM, "Y", successful)**

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 1.5.1   |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 1.5.1   |                                 |
| 4    | Terminal → USER | Present the items of "Y" under the header of "The SIM shall supply a set of items from which the user may choose one. Each item comprises a short identifier (used to indicate the selection) and a text string. Optionally the SIM may include an alpha identifier. The alpha identifier i". |                                 |
| 5    | USER → Terminal | Select item "Y"   |                                 |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 1.5.1  | Command performed successfully. |
| 7    | UICC → Terminal | PROACTIVE UICC SESSION ENDED  |                                 |

## PROACTIVE COMMAND: SELECT ITEM 1.5.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "The SIM shall supply a set of items from which the user may choose one. Each item comprises a short identifier (used to indicate the selection) and a text string. Optionally the SIM may include an alpha identifier. The alpha identifier i"

Item

Identifier of item: "01"  
 Text string of item: "Y"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | FD | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 |
|          | 85 | 81 | ED | 54 | 68 | 65 | 20 | 53 | 49 | 4D | 20 | 73 |
|          | 68 | 61 | 6C | 6C | 20 | 73 | 75 | 70 | 70 | 6C | 79 | 20 |
|          | 61 | 20 | 73 | 65 | 74 | 20 | 6F | 66 | 20 | 69 | 74 | 65 |
|          | 6D | 73 | 20 | 66 | 72 | 6F | 6D | 20 | 77 | 68 | 69 | 63 |
|          | 68 | 20 | 74 | 68 | 65 | 20 | 75 | 73 | 65 | 72 | 20 | 6D |
|          | 61 | 79 | 20 | 63 | 68 | 6F | 6F | 73 | 65 | 20 | 6F | 6E |
|          | 65 | 2E | 20 | 45 | 61 | 63 | 68 | 20 | 69 | 74 | 65 | 6D |
|          | 20 | 63 | 6F | 6D | 70 | 72 | 69 | 73 | 65 | 73 | 20 | 61 |
|          | 20 | 73 | 68 | 6F | 72 | 74 | 20 | 69 | 64 | 65 | 6E | 74 |
|          | 69 | 66 | 69 | 65 | 72 | 20 | 28 | 75 | 73 | 65 | 64 | 20 |
|          | 74 | 6F | 20 | 69 | 6E | 64 | 69 | 63 | 61 | 74 | 65 | 20 |
|          | 74 | 68 | 65 | 20 | 73 | 65 | 6C | 65 | 63 | 74 | 69 | 6F |
|          | 6E | 29 | 20 | 61 | 6E | 64 | 20 | 61 | 20 | 74 | 65 | 78 |
|          | 74 | 20 | 73 | 74 | 72 | 69 | 6E | 67 | 2E | 20 | 4F | 70 |
|          | 74 | 69 | 6F | 6E | 61 | 6C | 6C | 79 | 20 | 74 | 68 | 65 |
|          | 20 | 53 | 49 | 4D | 20 | 6D | 61 | 79 | 20 | 69 | 6E | 63 |
|          | 6C | 75 | 64 | 65 | 20 | 61 | 6E | 20 | 61 | 6C | 70 | 68 |
|          | 61 | 20 | 69 | 64 | 65 | 6E | 74 | 69 | 66 | 69 | 65 | 72 |
|          | 2E | 20 | 54 | 68 | 65 | 20 | 61 | 6C | 70 | 68 | 61 | 20 |
|          | 69 | 64 | 65 | 6E | 74 | 69 | 66 | 69 | 65 | 72 | 20 |    |
|          | 69 | 8F | 02 | 01 | 59 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 1.5.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 1.6 (SELECT ITEM, Large menu, successful)**

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 1.6.1   |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 1.6.1   |                                 |
| 4    | Terminal → USER | Present the items of "1 Call Forward Unconditional", "2 Call Forward On User Busy", "3 Call Forward On No Reply", "4 Call Forward On User Not Reachable", "5 Barring Of All Outgoing Calls", "6 Barring Of All Outgoing Int Calls" and "7 CLI Presentation" under the header of "0LargeMenu". |                                 |
| 5    | USER → Terminal | Select item "5 Barring Of All Outgoing Calls".  |                                 |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 1.6.1  | Command performed successfully. |

**PROACTIVE COMMAND: SELECT ITEM 1.6.1**

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "0LargeMenu"

## Item

Identifier of item: "FF"  
 Text string of item: "1 Call Forward Unconditional"

## Item

Identifier of item: "FE"  
 Text string of item: "2 Call Forward On User Busy"

## Item

Identifier of item: "FD"  
 Text string of item: "3 Call Forward On No Reply"

## Item

Identifier of item: "FC"  
 Text string of item: "4 Call Forward On User Not Reachable"

## Item

Identifier of item: "FB"  
 Text string of item: "5 Barring Of All Outgoing Calls"

## Item

Identifier of item: "FA"  
 Text string of item: "6 Barring Of All Outgoing Int Calls"

## Item

Identifier of item: "F9"  
 Text string of item: "7 CLI Presentation"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | F3 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 |
|          | 85 | 0A | 30 | 4C | 61 | 72 | 67 | 65 | 4D | 65 | 6E | 75 |
|          | 8F | 1D | FF | 31 | 20 | 43 | 61 | 6C | 6C | 20 | 46 | 6F |
|          | 72 | 77 | 61 | 72 | 64 | 20 | 55 | 6E | 63 | 6F | 6E | 64 |
|          | 69 | 74 | 69 | 6F | 6E | 61 | 6C | 8F | 1C | FE | 32 | 20 |
|          | 43 | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 | 61 | 72 | 64 |
|          | 20 | 4F | 6E | 20 | 55 | 73 | 65 | 72 | 20 | 42 | 75 | 73 |
|          | 79 | 8F | 1B | FD | 33 | 20 | 43 | 61 | 6C | 6C | 20 | 46 |
|          | 6F | 72 | 77 | 61 | 72 | 64 | 20 | 4F | 6E | 20 | 4E | 6F |
|          | 20 | 52 | 65 | 70 | 6C | 79 | 8F | 25 | FC | 34 | 20 | 43 |
|          | 61 | 6C | 6C | 20 | 46 | 6F | 72 | 77 | 61 | 72 | 64 | 20 |
|          | 4F | 6E | 20 | 55 | 73 | 65 | 72 | 20 | 4E | 6F | 74 | 20 |
|          | 52 | 65 | 61 | 63 | 68 | 61 | 62 | 6C | 65 | 8F | 20 | FB |
|          | 35 | 20 | 42 | 61 | 72 | 72 | 69 | 6E | 67 | 20 | 4F | 66 |
|          | 20 | 41 | 6C | 6C | 20 | 4F | 75 | 74 | 67 | 6F | 69 | 6E |
|          | 67 | 20 | 43 | 61 | 6C | 6C | 73 | 8F | 24 | FA | 36 | 20 |
|          | 42 | 61 | 72 | 72 | 69 | 6E | 67 | 20 | 4F | 66 | 20 | 41 |
|          | 6C | 6C | 20 | 4F | 75 | 74 | 67 | 6F | 69 | 6E | 67 | 20 |
|          | 49 | 6E | 74 | 20 | 43 | 61 | 6C | 6C | 73 | 8F | 13 | F9 |
|          | 37 | 20 | 43 | 4C | 49 | 20 | 50 | 72 | 65 | 73 | 65 | 6E |
|          | 74 | 61 | 74 | 69 | 6F | 6E |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 1.6.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: FB

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | FB |    |    |    |    |    |    |    |    |    |

The following table details the test commands with relation to the tested features:

| Proactive UICC Command<br>SELECT ITEM Number | Proactive UICC Command Facilities |                    |                           |
|--|-----------------------------------|--------------------|---------------------------|
|  | Alpha Identifier<br>Length        | Number of<br>items | Maximum<br>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 Terminal 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 Terminal supports next action indicator mode.

## 27.22.4.9.2.4 Method of test

## 27.22.4.9.2.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 2.1.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 2.1.1  |  |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>and "Item 3" under the header of<br>"Toolkit Select". | The Terminal may indicate to the user the<br>consequences of performing the selection of<br>an item. |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 2".  | The Terminal may indicate to the user the<br>consequences of performing the selection of<br>an item. |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 2.1.1  | Command performed successfully.  |

## PROACTIVE COMMAND: SELECT ITEM 2.1.1

Logically:

## Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

## Device identities

Source device: UICC  
Destination device: Terminal  
Alpha identifier: "Toolkit Select"

## Item

Identifier of item: 1  
Text string of item: "Item 1"

## Item

Identifier of item: 2  
Text string of item: "Item 2"

## Item

Identifier of item: 3  
Text string of item: "Item 3"

## Items next action indicator

Items list "Send SM", "Set Up Call", "Provide Local Info."

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 39 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | 18 | 03 | 13 | 10 | 26 |    |

TERMINAL RESPONSE: SELECT ITEM 2.1.1

## Logically:

## Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 02

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.2.5 Test requirement

The Terminal 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 Terminal supports "default item" mode.

## 27.22.4.9.3.4 Method of test

## 27.22.4.9.3.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 3.1.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 3.1.1  |  |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>and "Item 3" under the header of<br>"Toolkit Select". | If A.1/59 is supported, check that "Item 2" is<br>selected by default. |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 3".  |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 3.1.1  | Command performed successfully.  |

PROACTIVE COMMAND: SELECT ITEM 3.1.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select"

Item

Identifier of item: 01  
 Text string of item: "Item 1"

Item

Identifier of item: 02  
 Text string of item: "Item 2"

Item

Identifier of item: 03  
 Text string of item: "Item 3"

Item identifier

Identifier of item chosen 02

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 37 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | 10 | 01 | 02 |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 3.1.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"



## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 03

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 03 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.3.5 Test requirement

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                               |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 4.1.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 4.1.1  | Help information available.            |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>and "Item 3" under the header of<br>"Toolkit Select". |  |
| 5    | USER → Terminal | Navigate in the items until "Item 1".  |  |
| 6    | USER → Terminal | Select the Help Request on "Item<br>1" Menu entry  |  |
| 7    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 4.1.1  | Help information required by the user. |

## PROACTIVE COMMAND: SELECT ITEM 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "80" help information available

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select"

## Item

Identifier of item: 01  
 Text string of item: "Item 1"

## Item

Identifier of item: 02  
 Text string of item: "Item 2"

## Item

Identifier of item: 03  
 Text string of item: "Item 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 24 | 80 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "80"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Help information required by the user

## Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 80 | 82 | 02 | 82 | 81 | 83 | 01 | 13 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.4.5 Test requirement

The Terminal 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 ETSI TS 102 223 [1], clauses 8.31 and 8.32.

## 27.22.4.9.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 5.1.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 5.1.1  |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>and "Item 3" under the header of<br>"Toolkit Select". | Verify icons are displayed in the alpha<br>identifier and in the 3 items. |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".  |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 5.1.1 A  | Command performed successfully.   |

## PROACTIVE COMMAND: SELECT ITEM 5.1.1

Logically:

## Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

## Device identities

Source device: UICC  
Destination device: Terminal  
Alpha identifier: "Toolkit Select"

## Item

Identifier of item: 01  
Text string of item: "Item 1"

## Item

Identifier of item: 02  
Text string of item: "Item 2"

## Item

Identifier of item: 03  
Text string of item: "Item 3"

Icon Identifier:

Icon qualifier: "01" (icon is not self-explanatory)  
 Icon Identifier: record 1 in EF<sub>(IMG)</sub>

Item icon identifier list:

Icon qualifier: "01" (icon is not self-explanatory)  
 Icon Identifier: record 5 in EF<sub>(IMG)</sub> , record 5 in EF<sub>(IMG)</sub>, record 5 in EF<sub>(IMG)</sub>

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 3E | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | 9E | 02 | 01 | 01 | 9F | 04 |
|          | 01 | 05 | 05 | 05 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 5.1.1A

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 5.1B (SELECT ITEM, BASIC ICON NOT SELF EXPLANATORY, requested icon could not be displayed)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 5.1.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 5.1.1  |  |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2" and "Item 3" under the header of "Toolkit Select". | Verify that either for the header or for each of the items no icon is displayed. |
| 5    | USER → Terminal | Navigate in the items, then select "Item 1" under the header "Toolkit Select".         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 5.1.1 B   | Command performed successfully, but requested icon could not be displayed.       |

## TERMINAL RESPONSE: SELECT ITEM 5.1.1B

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

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

## Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 5.2A (SELECT ITEM, BASIC ICON SELF EXPLANATORY, successful)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 5.2.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 5.2.1  |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>and "Item 3" under the header of<br>"Toolkit Select". | Verify icons are displayed without text as<br>alpha id and for the all 3 items. |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".  |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 5.2.1 A  | Command performed successfully.   |

## PROACTIVE COMMAND: SELECT ITEM 5.2.1.

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select"

## Item

Identifier of item: 01  
 Text string of item: "Item 1"

## Item

Identifier of item: 02  
 Text string of item: "Item 2"

Item

Identifier of item: 03  
 Text string of item: "Item 3"

Icon Identifier:

Icon qualifier: "00" (icon is self-explanatory)  
 Icon Identifier: record 1 in EF<sub>(IMG)</sub>

Item icon identifier list:

Icon qualifier: "00" (icon is self-explanatory)  
 Icon Identifier: record 5 in EF<sub>(IMG)</sub> , record 5 in EF<sub>(IMG)</sub>, record 5 in EF<sub>(IMG)</sub>

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 3E | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 | 9E | 02 | 00 | 01 | 9F | 04 |
|          | 00 | 05 | 05 | 05 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 5.2.1A

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 5.2B (SELECT ITEM, BASIC ICON SELF EXPLANATORY, requested icon could not be displayed)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: SELECT ITEM 5.2.1   |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SELECT ITEM 5.2.1   |  |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2" and "Item 3" under the header of "Toolkit Select". | Verify that either for the header or for each of the items no icon is displayed. |
| 5    | USER → Terminal | Navigate in the items, then select "Item 1" under the header "Toolkit Select".         |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 5.2.1B  | Command performed successfully but requested icon could not be displayed.        |

## TERMINAL RESPONSE: SELECT ITEM 5.2.1B

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

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

## Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.5.5 Test requirement

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                              |
|------|-----------------|--|---------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 6.1.1  |                                       |
| 2    | Terminal → UICC | FETCH  |                                       |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 6.1.1  |                                       |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2" and "Item 3" under the header of "Toolkit Select". | Verify if presentation style appears. |
| 5    | USER → Terminal | Navigate in the items, then select "Item 1".   |                                       |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 6.1.1   | Command performed successfully.       |

PROACTIVE COMMAND: SELECT ITEM 6.1.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "03" (presentation as a choice of navigation options)

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select"

Item

Identifier of item: 01  
 Text string of item: "Item 1"

Item

Identifier of item: 02  
 Text string of item: "Item 2"

Item

Identifier of item: 03  
 Text string of item: "Item 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 24 | 03 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 6.1.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "03" (presentation as a choice of navigation options)



Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 6.2 (SELECT ITEM, PRESENTATION AS A CHOICE OF DATA VALUES, successful)**

| Step | Direction       | Message/Action   | Comments                              |
|------|-----------------|--|---------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 6.2.1  |                                       |
| 2    | Terminal → UICC | FETCH  |                                       |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 6.2.1  |                                       |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>and "Item 3" under the header of<br>"Toolkit Select". | Verify if presentation style appears. |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".  |                                       |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 6.2.1  | Command performed successfully.       |

PROACTIVE COMMAND: SELECT ITEM 6.2.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "01" (presentation as a choice of data values)

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select"

Item

Identifier of item: 01  
 Text string of item: "Item 1"

Item

Identifier of item: 02  
 Text string of item: "Item 2"

Item

Identifier of item: 03  
 Text string of item: "Item 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 24 | 01 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 |
|          | 49 | 74 | 65 | 6D | 20 | 33 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 6.2.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "01"(presentation as a choice of data values)

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.6.5 Test requirement

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 7.1.1                                 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 7.1.1   |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit<br>Select". |   |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                 | Verify that we can choose an item through<br>soft keys. |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 7.1.1   | Command performed successfully.                         |

## PROACTIVE COMMAND: SELECT ITEM 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "04" (selection using soft keys preferred)

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select"

## Item

Identifier of item: 01  
 Text string of item: "Item 1"

## Item

Identifier of item: 02  
 Text string of item: "Item 2"

Coding:

| BER-TLV: | D0 | 2B | 81 | 03 | 01 | 24 | 04 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 0E | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 8F | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 |
|          | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "04" (selection using soft keys preferred)

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 04 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.7.5 Test requirement

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The Terminal Manufacturer shall have defined the "no response from user" period of time as declared in table A.2/4.

The UICC 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)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 8.1.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 8.1.1  |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>and "Item 3" under the header of<br>"<TIME-OUT>". |   |
| 5    | USER            | Waiting and no completion  |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 8.1.1  | No response from user within 5 s after the end<br>of that defined period of time. |
| 7    | USER            | Check if the delay of TERMINAL<br>RESPONSE is reasonable or not                          |   |

## PROACTIVE COMMAND: SELECT ITEM 8.1.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "<TIME-OUT>"

## Item

Identifier of item: 01  
 Text string of item: "Item 1"

## Item

Identifier of item: 02  
 Text string of item: "Item 2"

## Item

Identifier of item: 03  
 Text string of item: "Item 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 30 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0A | 3C | 54 | 49 | 4D | 45 | 2D | 4F | 55 | 54 | 3E | 8F |
|          | 07 | 01 | 49 | 74 | 65 | 6D | 20 | 31 | 8F | 07 | 02 | 49 |
|          | 74 | 65 | 6D | 20 | 32 | 8F | 07 | 03 | 49 | 74 | 65 | 6D |
|          | 20 | 33 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 8.1.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: No response from user

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 12 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## 27.22.4.9.8.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.9.9.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.1.1                                   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.1.1   |  |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with left alignment.  |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.1.1   | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.1.2                                   |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.1.2   |  |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4"<br>under the header of "Toolkit Select<br>2". | Verify the text attribute of the alpha id and<br>each item are displayed without left<br>alignment. Remark: If left alignment is the<br>Terminal's default alignment as declared in<br>table A.2/10, no alignment change will take<br>place. |
| 11   | USER → Terminal | Navigate in the items, then select<br>"Item 3".                                   |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.1.1   | Command performed successfully.  |

PROACTIVE COMMAND: SELECT ITEM 9.1.1

Logically:

Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

Item

Identifier of item: 01  
 Text string of item: "Item 1"

Item

Identifier of item: 02  
 Text string of item: "Item 2"

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

Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 00 | B4 | D1 | 08 | 00 | 06 | 00 | B4 | 00 |
|          | 06 | 00 | B4 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SELECT ITEM 9.1.2

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 2"

Item

Identifier of item: 01  
 Text string of item: "Item 3"

## Item

Identifier of item: 02  
Text string of item: "Item 4"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 |    |

TERMINAL RESPONSE: SELECT ITEM 9.1.1

## Logically:

## Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.9.1.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.9.9.2.3 Test purpose

To verify that the Terminal displays text formatted according to the center alignment text attribute configuration within the command Select Item.

## 27.22.4.9.9.2.4 Method of test

## 27.22.4.9.9.2.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.2.1                                   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.2.1   |  |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with center<br>alignment.   |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.2.1   | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.2.2                                   |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.2.2   |  |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4"<br>under the header of "Toolkit Select<br>2". | Verify the text attribute of the alpha id and<br>each item are displayed without center<br>alignment. Remark: If center alignment is the<br>Terminal's default alignment as declared in<br>table A.2/10, no alignment change will take<br>place. |
| 11   | USER → Terminal | Navigate in the items, then select<br>"Item 3".                                   |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.2.1   | Command performed successfully.  |

## PROACTIVE COMMAND: SELECT ITEM 9.2.1

## Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

## Item

Identifier of item: 01  
 Text string of item: "Item 1"

## Item

Identifier of item: 02  
 Text string of item: "Item 2"

## 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

Item Text Attribute List

Text Attribute List:

Item #1

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

Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 01 | B4 | D1 | 08 | 00 | 06 | 01 | B4 | 00 |
|          | 06 | 01 | B4 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SELECT ITEM 9.2.2

Logically:

Command details

Command number: 1

Command type: SELECT ITEM

Command qualifier: "00"

Device identities

Source device: UICC

Destination device: Terminal

Alpha identifier: "Toolkit Select 2"

Item

Identifier of item: 01

Text string of item: "Item 3"

Item

Identifier of item: 02

Text string of item: "Item 4"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 |    |

TERMINAL RESPONSE: SELECT ITEM 9.2.1

Logically:

Command details

Command number: 1

Command type: SELECT ITEM

Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.9.2.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.9.9.3.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.3.1                                   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.3.1   |  |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with right alignment. |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.3.1   | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.3.2                                   |  |
| 8    | Terminal → UICC | FETCH   |  |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.3.2                                     |   |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4" under the header of "Toolkit Select 2". | Verify the text attribute of the alpha id and each item are displayed without right alignment. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/10, no alignment change will take place. |
| 11   | USER → Terminal | Navigate in the items, then select "Item 3".                                |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.3.1  | Command performed successfully.   |

## PROACTIVE COMMAND: SELECT ITEM 9.3.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

## Item

Identifier of item: 01  
 Text string of item: "Item 1"

## Item

Identifier of item: 02  
 Text string of item: "Item 2"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 02 | B4 | D1 | 08 | 00 | 06 | 02 | B4 | 00 |
|          | 06 | 02 | B4 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SELECT ITEM 9.3.2

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 2"

## Item

Identifier of item: 01  
 Text string of item: "Item 3"

## Item

Identifier of item: 02  
 Text string of item: "Item 4"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 |    |

TERMINAL RESPONSE: SELECT ITEM 9.3.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.9.3.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.9.9.4.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.4.1                                   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.4.1   |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with large font size.  |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.4.1   | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.4.2                                   |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.4.2   |   |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4"<br>under the header of "Toolkit Select<br>2". | Verify the text attribute of the alpha id and<br>each item are displayed with normal font size. |
| 11   | USER → Terminal | Navigate in the items, then select<br>"Item 3".                                   |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.4.1   | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.4.1                                   |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.4.1   |   |
| 16   | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with large font size.  |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 17   | USER → Terminal | Navigate in the items, then select "Item 1".                                |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.4.1  | Command performed successfully.  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.4.3                             |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.4.3                                     |  |
| 22   | Terminal → USER | Display items of "Item 5", "Item 6" under the header of "Toolkit Select 3". | Verify the text attribute of the alpha id and each item are displayed with normal font size. |
| 23   | USER → Terminal | Navigate in the items, then select "Item 5".                                |  |
| 24   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.4.1  | Command performed successfully.  |

### PROACTIVE COMMAND: SELECT ITEM 9.4.1

Logically:

#### Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

#### Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

#### Item

Identifier of item: 01  
 Text string of item: "Item 1"

#### Item

Identifier of item: 02  
 Text string of item: "Item 2"

#### 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

#### Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

#### Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 04 | B4 | D1 | 08 | 00 | 06 | 04 | B4 | 00 |
|          | 06 | 04 | B4 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SELECT ITEM 9.4.2

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 2"

Item

Identifier of item: 01  
 Text string of item: "Item 3"

Item

Identifier of item: 02  
 Text string of item: "Item 4"

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

Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 | D0 |
|          | 04 | 00 | 10 | 00 | B4 | D1 | 08 | 00 | 06 | 00 | B4 | 00 |
|          | 06 | 00 | B4 |    |    |    |    |    |    |    |    |    |



## PROACTIVE COMMAND: SELECT ITEM 9.4.3

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 3"

## Item

Identifier of item: 01  
 Text string of item: "Item 5"

## Item

Identifier of item: 02  
 Text string of item: "Item 6"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 33 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 35 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 36 |    |

## TERMINAL RESPONSE: SELECT ITEM 9.4.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.9.4.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.9.9.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.5.1                                   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.5.1   |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with small font size.  |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.5.1   | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.5.2                                   |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.5.2   |   |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4"<br>under the header of "Toolkit Select<br>2". | Verify the text attribute of the alpha id and<br>each item are displayed with normal font size. |
| 11   | USER → Terminal | Navigate in the items, then select<br>"Item 3".                                   |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.5.1   | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.5.1                                   |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.5.1   |   |
| 16   | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with small font size.  |
| 17   | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.5.1   | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.5.3                                   |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.5.3   |   |

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 22   | Terminal → USER | Display items of "Item 5", "Item 6" under the header of "Toolkit Select 3". | Verify the text attribute of the alpha id and each item are displayed with normal font size. |
| 23   | USER → Terminal | Navigate in the items, then select "Item 5".                                |  |
| 24   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.5.1  | Command performed successfully.  |

PROACTIVE COMMAND: SELECT ITEM 9.5.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

Item

Identifier of item: 01  
 Text string of item: "Item 1"

Item

Identifier of item: 02  
 Text string of item: "Item 2"

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

Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 08 | B4 | D1 | 08 | 00 | 06 | 08 | B4 | 00 |
|          | 06 | 08 | B4 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SELECT ITEM 9.5.2

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 2"

## Item

Identifier of item: 01  
 Text string of item: "Item 3"

## Item

Identifier of item: 02  
 Text string of item: "Item 4"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 | D0 |
|          | 04 | 00 | 10 | 00 | B4 | D1 | 08 | 00 | 06 | 00 | B4 | 00 |
|          | 06 | 00 | B4 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SELECT ITEM 9.5.3

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 3"

## Item

Identifier of item: 01  
 Text string of item: "Item 5"

## Item

Identifier of item: 02  
 Text string of item: "Item 6"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 33 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 35 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 36 |    |

## TERMINAL RESPONSE: SELECT ITEM 9.5.1

## Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.9.5.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.9.9.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.6.1                                   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.6.1   |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with bold on.  |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.6.1   | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.6.2                                   |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.6.2   |   |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4"<br>under the header of "Toolkit Select<br>2". | Verify the text attribute of the alpha id and<br>each item are displayed with bold off. |
| 11   | USER → Terminal | Navigate in the items, then select<br>"Item 3".                                   |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.6.1   | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.6.1                                   |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.6.1   |   |
| 16   | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with bold on.  |
| 17   | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.6.1   | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.6.3                                   |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.6.3   |   |
| 22   | Terminal → USER | Display items of "Item 5", "Item 6"<br>under the header of "Toolkit Select<br>3". | Verify the text attribute of the alpha id and<br>each item are displayed with bold off. |
| 23   | USER → Terminal | Navigate in the items, then select<br>"Item 5".                                   |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.6.1   | Command performed successfully.   |

## PROACTIVE COMMAND: SELECT ITEM 9.6.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

## Item

Identifier of item: 01  
 Text string of item: "Item 1"

## Item

Identifier of item: 02  
 Text string of item: "Item 2"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 10 | B4 | D1 | 08 | 00 | 06 | 10 | B4 | 00 |
|          | 06 | 10 | B4 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SELECT ITEM 9.6.2

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC

Destination device: Terminal  
Alpha identifier: "Toolkit Select 2"

## Item

Identifier of item: 01  
Text string of item: "Item 3"

## Item

Identifier of item: 02  
Text string of item: "Item 4"

## 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

## Item Text Attribute List

Text Attribute List:  
Item #1  
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

## Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 | D0 |
|          | 04 | 00 | 10 | 00 | B4 | D1 | 08 | 00 | 06 | 00 | B4 | 00 |
|          | 06 | 00 | B4 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SELECT ITEM 9.6.3

## Logically:

## Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

## Device identities

Source device: UICC  
Destination device: Terminal  
Alpha identifier: "Toolkit Select 3"

## Item

Identifier of item: 01  
Text string of item: "Item 5"

## Item

Identifier of item: 02  
Text string of item: "Item 6"



Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 33 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 35 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 36 |    |

TERMINAL RESPONSE: SELECT ITEM 9.6.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

27.22.4.9.9.6.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

27.22.4.9.9.7.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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*)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.7.1                                   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.7.1   |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with italic on.  |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.7.1   | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.7.2                                   |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.7.2   |   |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4"<br>under the header of "Toolkit Select<br>2". | Verify the text attribute of the alpha id and<br>each item are displayed with italic off. |
| 11   | USER → Terminal | Navigate in the items, then select<br>"Item 3".                                   |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.7.1   | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.7.1                                   |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.7.1   |   |
| 16   | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with italic on.  |
| 17   | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.7.1   | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.7.3                                   |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.7.3   |   |
| 22   | Terminal → USER | Display items of "Item 5", "Item 6"<br>under the header of "Toolkit Select<br>3". | Verify the text attribute of the alpha id and<br>each item are displayed with italic off. |
| 23   | USER → Terminal | Navigate in the items, then select<br>"Item 5".                                   |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.7.1   | Command performed successfully.   |

PROACTIVE COMMAND: SELECT ITEM 9.7.1

Logically:

Command details

|                    |             |
|--------------------|-------------|
| Command number:    | 1           |
| Command type:      | SELECT ITEM |
| Command qualifier: | "00"        |

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

Item

Identifier of item: 01  
 Text string of item: "Item 1"

Item

Identifier of item: 02  
 Text string of item: "Item 2"

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

Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 20 | B4 | D1 | 08 | 00 | 06 | 20 | B4 | 00 |
|          | 06 | 20 | B4 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SELECT ITEM 9.7.2

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 2"

Item

Identifier of item: 01  
 Text string of item: "Item 3"

## Item

Identifier of item: 02  
Text string of item: "Item 4"

## 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

## Item Text Attribute List

Text Attribute List:  
Item #1  
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

## Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 | D0 |
|          | 04 | 00 | 10 | 00 | B4 | D1 | 08 | 00 | 06 | 00 | B4 | 00 |
|          | 06 | 00 | B4 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SELECT ITEM 9.7.3

## Logically:

## Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

## Device identities

Source device: UICC  
Destination device: Terminal  
Alpha identifier: "Toolkit Select 3"

## Item

Identifier of item: 01  
Text string of item: "Item 5"

## Item

Identifier of item: 02  
Text string of item: "Item 6"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 33 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 35 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 36 |    |

## TERMINAL RESPONSE: SELECT ITEM 9.7.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.9.7.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.9.9.8.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                  | Comments |
|------|-----------------|---|----------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.8.1 |          |
| 2    | Terminal → UICC | FETCH   |          |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.8.1         |          |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 4    | Terminal → USER | Display items of "Item 1", "Item 2" under the header of "Toolkit Select 1". | Verify the text attribute of the alpha id and each item are displayed with underline on.  |
| 5    | USER → Terminal | Navigate in the items, then select "Item 1".                                |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.8.1  | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.8.2                             |   |
| 8    | Terminal → UICC | FETCH   |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.8.2                                     |   |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4" under the header of "Toolkit Select 2". | Verify the text attribute of the alpha id and each item are displayed with underline off. |
| 11   | USER → Terminal | Navigate in the items, then select "Item 3".                                |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.8.1  | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.8.1                             |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.8.1                                     |   |
| 16   | Terminal → USER | Display items of "Item 1", "Item 2" under the header of "Toolkit Select 1". | Verify the text attribute of the alpha id and each item are displayed with underline on.  |
| 17   | USER → Terminal | Navigate in the items, then select "Item 1".                                |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.8.1  | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.8.3                             |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.8.3                                     |   |
| 22   | Terminal → USER | Display items of "Item 5", "Item 6" under the header of "Toolkit Select 3". | Verify the text attribute of the alpha id and each item are displayed with underline off. |
| 23   | USER → Terminal | Navigate in the items, then select "Item 5".                                |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.8.1  | Command performed successfully.   |

PROACTIVE COMMAND: SELECT ITEM 9.8.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

Item

Identifier of item: 01  
 Text string of item: "Item 1"

Item

Identifier of item: 02  
 Text string of item: "Item 2"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 40 | B4 | D1 | 08 | 00 | 06 | 40 | B4 | 00 |
|          | 06 | 40 | B4 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SELECT ITEM 9.8.2

## Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 2"

## Item

Identifier of item: 01  
 Text string of item: "Item 3"

## Item

Identifier of item: 02  
 Text string of item: "Item 4"

## 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

Item Text Attribute List

Text Attribute List:

Item #1

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

Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 | D0 |
|          | 04 | 00 | 10 | 00 | B4 | D1 | 08 | 00 | 06 | 00 | B4 | 00 |
|          | 06 | 00 | B4 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SELECT ITEM 9.8.3

Logically:

Command details

Command number: 1

Command type: SELECT ITEM

Command qualifier: "00"

Device identities

Source device: UICC

Destination device: Terminal

Alpha identifier: "Toolkit Select 3"

Item

Identifier of item: 01

Text string of item: "Item 5"

Item

Identifier of item: 02

Text string of item: "Item 6"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 33 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 35 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 36 |    |

TERMINAL RESPONSE: SELECT ITEM 9.8.1

Logically:

Command details

Command number: 1

Command type: SELECT ITEM

Command qualifier: "00"



## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.9.8.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

## 27.22.4.9.9.9.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.9.1                                   |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.9.1   |   |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with strikethrough on. |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.9.1   | Command performed successfully.   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.9.2                                   |   |
| 8    | Terminal → UICC | FETCH   |   |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.9.2                                     |   |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4" under the header of "Toolkit Select 2". | Verify the text attribute of the alpha id and each item are displayed with strikethrough off. |
| 11   | USER → Terminal | Navigate in the items, then select "Item 3".                                |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.9.1  | Command performed successfully.   |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.9.1                             |   |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.9.1                                     |   |
| 16   | Terminal → USER | Display items of "Item 1", "Item 2" under the header of "Toolkit Select 1". | Verify the text attribute of the alpha id and each item are displayed with strikethrough on.  |
| 17   | USER → Terminal | Navigate in the items, then select "Item 1".                                |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.9.1  | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.9.3                             |   |
| 20   | Terminal → UICC | FETCH   |   |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.9.3                                     |   |
| 22   | Terminal → USER | Display items of "Item 5", "Item 6" under the header of "Toolkit Select 3". | Verify the text attribute of the alpha id and each item are displayed with strikethrough off. |
| 23   | USER → Terminal | Navigate in the items, then select "Item 5".                                |   |
| 24   | Terminal → UICC | TERMINAL RESPONSE: SELECT ITEM 9.9.1  | Command performed successfully.   |

#### PROACTIVE COMMAND: SELECT ITEM 9.9.1

Logically:

##### Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

##### Item

Identifier of item: 01  
 Text string of item: "Item 1"

##### Item

Identifier of item: 02  
 Text string of item: "Item 2"

##### 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

Item Text Attribute List

Text Attribute List:

Item #1

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

Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 80 | B4 | D1 | 08 | 00 | 06 | 80 | B4 | 00 |
|          | 06 | 80 | B4 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SELECT ITEM 9.9.2

Logically:

Command details

Command number: 1

Command type: SELECT ITEM

Command qualifier: "00"

Device identities

Source device: UICC

Destination device: Terminal

Alpha identifier: "Toolkit Select 2"

Item

Identifier of item: 01

Text string of item: "Item 3"

Item

Identifier of item: 02

Text string of item: "Item 4"

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

Item Text Attribute List

Text Attribute List:

Item #1

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

Item #2  
 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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 | D0 |
|          | 04 | 00 | 10 | 00 | B4 | D1 | 08 | 00 | 06 | 00 | B4 | 00 |
|          | 06 | 00 | B4 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: SELECT ITEM 9.9.3

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 3"

Item

Identifier of item: 01  
 Text string of item: "Item 5"

Item

Identifier of item: 02  
 Text string of item: "Item 6"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 33 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 35 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 36 |    |

TERMINAL RESPONSE: SELECT ITEM 9.9.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 01

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

#### 27.22.4.9.9.5 Test requirement

The Terminal 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:

- ETSI TS 102 223 [1], clauses 6.5.4, 8.70 and 8.71.

##### 27.22.4.9.9.10.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.10.1                                  |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.10.1  |  |
| 4    | Terminal → USER | Display items of "Item 1", "Item 2"<br>under the header of "Toolkit Select<br>1". | Verify the text attribute of the alpha id and<br>each item are displayed with foreground and<br>background colour according to the<br>configuration. |
| 5    | USER → Terminal | Navigate in the items, then select<br>"Item 1".                                   |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.10.1  | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 9.10.2                                  |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 9.10.2  |  |
| 10   | Terminal → USER | Display items of "Item 3", "Item 4"<br>under the header of "Toolkit Select<br>2". | Verify the text attribute of the alpha id and<br>each item are displayed with Terminal's<br>default foreground and background colour.                |
| 11   | USER → Terminal | Navigate in the items, then select<br>"Item 3".                                   |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 9.10.1  | Command performed successfully.  |

## PROACTIVE COMMAND: SELECT ITEM 9.10.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 1"

## Item

Identifier of item: 01  
 Text string of item: "Item 1"

## Item

Identifier of item: 02  
 Text string of item: "Item 2"

## 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

## Item Text Attribute List

Text Attribute List:  
 Item #1  
 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

## Item #2

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 | 3D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 31 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 31 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 32 | D0 |
|          | 04 | 00 | 10 | 00 | B4 | D1 | 08 | 00 | 06 | 00 | B4 | 00 |
|          | 06 | 00 | B4 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: SELECT ITEM 9.10.2

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "Toolkit Select 2"

## Item

Identifier of item: 01  
 Text string of item: "Item 3"

## Item

Identifier of item: 02  
 Text string of item: "Item 4"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2D | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 10 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 53 | 65 | 6C |
|          | 65 | 63 | 74 | 20 | 32 | 8F | 07 | 01 | 49 | 74 | 65 | 6D |
|          | 20 | 33 | 8F | 07 | 02 | 49 | 74 | 65 | 6D | 20 | 34 |    |

## TERMINAL RESPONSE: SELECT ITEM 9.10.1

## Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 01

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.9.10.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- ETSI TS 102 223 [1], clauses 5, 6.4.9, 6.6.8, 6.8, 8.6, 8.7, 8.2, 8.9, 9.4 and 10.

## 27.22.4.9.10.3 Test purpose

To verify that the Terminal 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 Terminal allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments                            |
|------|-----------------|---|-------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 10.1.1  |                                     |
| 2    | Terminal → UICC | FETCH   |                                     |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 10.1.1  |                                     |
| 4    | Terminal → USER | Display items of<br>"ЗДРАВСТВУЙТЕ1",<br>"ЗДРАВСТВУЙТЕ2" and<br>"ЗДРАВСТВУЙТЕ3" under the<br>header of "ЗДРАВСТВУЙТЕ". | "ЗДРАВСТВУЙТЕ": "Hello" in Russian. |
| 5    | USER → Terminal | Select "ЗДРАВСТВУЙТЕ2"  |                                     |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 10.1.1  | Command performed successfully.     |

PROACTIVE COMMAND: SELECT ITEM 10.1.1

Logically:

## Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

## Device identities

Source device: UICC  
Destination device: Terminal  
Alpha identifier: "ЗДРАВСТВУЙТЕ"

## Item

Identifier of item: 1  
Text string of item: "ЗДРАВСТВУЙТЕ1"



## Item

Identifier of item: 2  
Text string of item: "ЗДРАВСТВУЙТЕ2"

## Item

Identifier of item: 3  
Text string of item: "ЗДРАВСТВУЙТЕ3"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 7E | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 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 | 8F | 1C | 01 | 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 | 8F | 1C | 02 | 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 | 8F | 1C | 03 | 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 | 33 |    |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 10.1.1

## Logically:

## Command details

Command number: 1  
Command type: SELECT ITEM  
Command qualifier: "00"

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 02

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

## Expected Sequence 10.2 (SELECT ITEM with UCS2 in Cyrillic characters, 0x81 UCS2 coding, successful)

| Step | Direction       | Message/Action  | Comments                            |
|------|-----------------|---|-------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 10.2.1  |                                     |
| 2    | Terminal → UICC | FETCH   |                                     |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 10.2.1  |                                     |
| 4    | Terminal → USER | Display items of<br>"ЗДРАВСТВУЙТЕ1",<br>"ЗДРАВСТВУЙТЕ2" and<br>"ЗДРАВСТВУЙТЕ3" under the<br>header of "ЗДРАВСТВУЙТЕ". | "ЗДРАВСТВУЙТЕ": "Hello" in Russian. |
| 5    | USER → Terminal | Select "ЗДРАВСТВУЙТЕ2".   |                                     |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 10.2.1  | Command performed successfully.     |

## PROACTIVE COMMAND: SELECT ITEM 10.2.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "ЗДРАВСТВУЙТЕ"

## Item

Identifier of item: 1  
 Text string of item: "ЗДРАВСТВУЙТЕ1"

## Item

Identifier of item: 2  
 Text string of item: "ЗДРАВСТВУЙТЕ2"

## Item

Identifier of item: 3  
 Text string of item: "ЗДРАВСТВУЙТЕ3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 53 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0F | 81 | 0C | 08 | 97 | 94 | A0 | 90 | 92 | A1 | A2 | 92 |
|          | A3 | 99 | A2 | 95 | 8F | 11 | 01 | 81 | 0D | 08 | 97 | 94 |
|          | A0 | 90 | 92 | A1 | A2 | 92 | A3 | 99 | A2 | 95 | 31 | 8F |
|          | 11 | 02 | 81 | 0D | 08 | 97 | 94 | A0 | 90 | 92 | A1 | A2 |
|          | 92 | A3 | 99 | A2 | 95 | 32 | 8F | 11 | 03 | 81 | 0D | 08 |
|          | 97 | 94 | A0 | 90 | 92 | A1 | A2 | 92 | A3 | 99 | A2 | 95 |
|          | 33 |    |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 10.2.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 02

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 10.3 (SELECT ITEM with UCS2 in Cyrillic characters, 0x82 UCS2 coding, successful)**

| Step | Direction       | Message/Action  | Comments                             |
|------|-----------------|---|--------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 10.3.1  |                                      |
| 2    | Terminal → UICC | FETCH   |                                      |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 10.3.1  |                                      |
| 4    | Terminal → USER | Display items of<br>"ЗДРАВСТВУЙТЕ1",<br>"ЗДРАВСТВУЙТЕ2" and<br>"ЗДРАВСТВУЙТЕ3" under the<br>header of "ЗДРАВСТВУЙТЕ". | "ЗДРАВСТВУЙТЕ ": "Hello" in Russian. |
| 5    | USER → Terminal | Select "ЗДРАВСТВУЙТЕ2"  |                                      |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 10.2.1  | Command performed successfully.      |

## PROACTIVE COMMAND: SELECT ITEM 10.3.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "ЗДРАВСТВУЙТЕ"

## Item

Identifier of item: 1  
 Text string of item: "ЗДРАВСТВУЙТЕ1"

## Item

Identifier of item: 2  
 Text string of item: "ЗДРАВСТВУЙТЕ2"

## Item

Identifier of item: 3  
 Text string of item: "ЗДРАВСТВУЙТЕ3"

Coding:

| BER-TLV: | D0 | 57 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 10 | 82 | 0C | 04 | 10 | 87 | 84 | 90 | 80 | 82 | 91 | 92 |
|          | 82 | 93 | 89 | 92 | 85 | 8F | 12 | 01 | 82 | 0D | 04 | 10 |
|          | 87 | 84 | 90 | 80 | 82 | 91 | 92 | 82 | 93 | 89 | 92 | 85 |
|          | 31 | 8F | 12 | 02 | 82 | 0D | 04 | 10 | 87 | 84 | 90 | 80 |
|          | 82 | 91 | 92 | 82 | 93 | 89 | 92 | 85 | 32 | 8F | 12 | 03 |
|          | 82 | 0D | 04 | 10 | 87 | 84 | 90 | 80 | 82 | 91 | 92 | 82 |
|          | 93 | 89 | 92 | 85 | 33 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 10.3.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 02

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

27.22.4.9.10.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- ETSI TS 102 223 [1], clauses 5, 6.4.9, 6.6.8, 6.8, 8.6, 8.7, 8.2, 8.9, 9.4 and 10.

27.22.4.9.11.3 Test purpose

To verify that the Terminal 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 Terminal allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 11.1.1                                  |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 11.1.1  |   |
| 4    | Terminal → USER | Display items of "项目一", "项目二",<br>"项目三" and "项目四" under the<br>header of "工具箱选择". | "工具箱选择": "Toolkit Select" in Chinese.<br>"项目一": "Item 1" in Chinese.<br>"项目二": "Item 2" in Chinese.<br>"项目三": "Item 3" in Chinese.<br>"项目四": "Item 4" in Chinese. |
| 5    | USER → Terminal | Select "项目二".   |   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 11.1.1  | Command performed successfully  |

PROACTIVE COMMAND: SELECT ITEM 11.1.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "工具箱选择"

Item

Identifier of item: 1  
 Text string of item: "项目一"

Item

Identifier of item: 2  
 Text string of item: "项目二"

Item

Identifier of item: 3  
 Text string of item: "项目三"

Item

Identifier of item: 4  
 Text string of item: "项目四"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 3E | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0B | 80 | 5D | E5 | 51 | 77 | 7B | B1 | 90 | 09 | 62 | E9 |
|          | 8F | 08 | 01 | 80 | 98 | 79 | 76 | EE | 4E | 00 | 8F | 08 |
|          | 02 | 80 | 98 | 79 | 76 | EE | 4E | 8C | 8F | 08 | 03 | 80 |
|          | 98 | 79 | 76 | EE | 4E | 09 | 8F | 08 | 04 | 80 | 98 | 79 |
|          | 76 | EE | 56 | DB |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SELECT ITEM 11.1.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 02

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

## 27.22.4.9.11.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: Select Item facility as defined in the following technical specifications:

- ETSI TS 102 223 [1], clauses 5, 6.4.9, 6.6.8, 6.8, 8.6, 8.7, 8.2, 8.9, 9.4 and 10.

## 27.22.4.9.12.3 Test purpose

To verify that the Terminal 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 Terminal allows a SELECT ITEM proactive UICC command within the maximum 255 byte BER-TLV boundary.

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                          |
|------|-----------------|--|-----------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 12.1.1                             |                                   |
| 2    | Terminal → UICC | FETCH  |                                   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 12.1.1                                     |                                   |
| 4    | Terminal → USER | Display items of "80ル1", "80ル2"<br>and "80ル3" under the header of<br>"80ル0". | Items use characters in Katakana. |
| 5    | USER → Terminal | Select "80ル2".   |                                   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 12.1.1                                     | Command performed successfully.   |

PROACTIVE COMMAND: SELECT ITEM 12.1.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "80ル0"

Item

Identifier of item: 1  
 Text string of item: "80ル1"

Item

Identifier of item: 2  
 Text string of item: "80ル2"

Item

Identifier of item: 3  
 Text string of item: "80ル3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 38 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 09 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 30 | 8F | 0A |
|          | 01 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 31 | 8F | 0A |
|          | 02 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 32 | 8F | 0A |
|          | 03 | 80 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 33 |    |    |

TERMINAL RESPONSE: SELECT ITEM 12.1.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 02

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

Expected Sequence 12.2 (SELECT ITEM with UCS2 in Katakana characters, 0x81 UCS2 coding, successful)

| Step | Direction       | Message/Action   | Comments                          |
|------|-----------------|--|-----------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 12.2.1                             |                                   |
| 2    | Terminal → UICC | FETCH  |                                   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 12.2.1                                     |                                   |
| 4    | Terminal → USER | Display items of "81ル1", "81ル2"<br>and "81ル3" under the header of<br>"81ル0". | Items use characters in Katakana. |
| 5    | USER → Terminal | Select "81ル2".   |                                   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 12.2.1                                     | Command performed successfully.   |

PROACTIVE COMMAND: SELECT ITEM 12.2.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "81ル0"

Item

Identifier of item: 1  
 Text string of item: "81ル1"

Item

Identifier of item: 2  
 Text string of item: "81ル2"

Item

Identifier of item: 3  
 Text string of item: "81ル3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 30 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 07 | 81 | 04 | 61 | 38 | 31 | EB | 30 | 8F | 08 | 01 | 81 |
|          | 04 | 61 | 38 | 31 | EB | 31 | 8F | 08 | 02 | 81 | 04 | 61 |
|          | 38 | 31 | EB | 32 | 8F | 08 | 03 | 81 | 04 | 61 | 38 | 31 |
|          | EB | 33 |    |    |    |    |    |    |    |    |    |    |



## TERMINAL RESPONSE: SELECT ITEM 12.2.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Item identifier

Identifier of item chosen: 02

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 12.3 (SELECT ITEM with UCS2 in Katakana characters, 0x82 UCS2 coding, successful)**

| Step | Direction       | Message/Action   | Comments                          |
|------|-----------------|--|-----------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SELECT ITEM 12.3.1                             |                                   |
| 2    | Terminal → UICC | FETCH  |                                   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>SELECT ITEM 12.3.1                                     |                                   |
| 4    | Terminal → USER | Display items of "82ル1", "82ル2"<br>and "82ル3" under the header of<br>"82ル0". | Items use characters in Katakana. |
| 5    | USER → Terminal | Select "82ル2".   |                                   |
| 6    | Terminal → UICC | TERMINAL RESPONSE: SELECT<br>ITEM 12.2.1                                     | Command performed successfully.   |

## PROACTIVE COMMAND: SELECT ITEM 12.3.1

Logically:

## Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Alpha identifier: "82ル0"

## Item

Identifier of item: 1  
 Text string of item: "82ル1"

## Item

Identifier of item: 2  
 Text string of item: "82ル2"

Item

Identifier of item: 3  
 Text string of item: "82ル3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 34 | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 08 | 82 | 04 | 30 | A0 | 38 | 32 | CB | 30 | 8F | 09 | 01 |
|          | 82 | 04 | 30 | A0 | 38 | 32 | CB | 31 | 8F | 09 | 02 | 82 |
|          | 04 | 30 | A0 | 38 | 32 | CB | 32 | 8F | 09 | 03 | 82 | 04 |
|          | 30 | A0 | 38 | 32 | CB | 33 |    |    |    |    |    |    |

TERMINAL RESPONSE: SELECT ITEM 12.3.1

Logically:

Command details

Command number: 1  
 Command type: SELECT ITEM  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Item identifier

Identifier of item chosen: 02

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 24 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | 90 | 01 | 02 |    |    |    |    |    |    |    |    |    |

27.22.4.9.12.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 12.1 to 12.3.

27.22.4.10 SEND SHORT MESSAGE

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.11 Void

27.22.4.12 Void

27.22.4.13 SET UP CALL

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.14 POLLING OFF

The test method is not defined in the present document as it depends on a present NAA.

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 Terminal shall support the PROVIDE LOCAL INFORMATION facility as defined in:

- ETSI TS 102 223 [1], clause 6.4.15.

### 27.22.4.15.3 Test purpose

To verify that the Terminal returns the following requested local information within a TERMINAL RESPONSE:

- Location Information according to current NAA;
- the IMEI of the Terminal;
- the Network Measurement results according to current NAA;
- the current date, time and time zone;
- the current language setting;
- the Access Technology;
- the ESN of the terminal;
- the IMEISV of the terminal;
- the Search Mode;
- the Charge State of the Battery;
- the Broadcast Network information.

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

### 27.22.4.15.4 Method of tests

#### 27.22.4.15.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

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

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

#### 27.22.4.15.4.2 Procedure

#### **Expected Sequence 1.1 (PROVIDE LOCAL INFORMATION, Location Information according to current NAA)**

The test method is not defined in the present document as it depends on a present NAA.

#### **Expected Sequence 1.2 (PROVIDE LOCAL INFORMATION, IMEI of the Terminal)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>PROVIDE LOCAL INFORMATION<br>1.2.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PROVIDE<br>LOCAL INFORMATION 1.2.1            |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.2.1            | Command performed successfully, IMEI<br>but spare digit shall be zero when<br>transmitted by the Terminal |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.2.1

Logically:

Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "01" IMEI of the Terminal

Device identities

Source device: UICC  
 Destination device: Terminal

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 Terminal

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

IMEI

IMEI of the Terminal: The IMEI of the Terminal

The result coding depends on the Terminal IMEI value as declared in table A.1/23

Coding:

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

As an example, if the IMEI of the Terminal is "123456789012345" then  
 XX XX XX XX XX XX XX XX = 1A 32 54 76 98 10 32 04. For further details see also ETSI TS 124 008 [5],  
 clause 10.5.1.

**Expected Sequence 1.3 (PROVIDE LOCAL INFORMATION, Network Measurement results according to current NAA)**

The test method is not defined in the present document as it depends on a present NAA.

**Expected Sequence 1.4 (PROVIDE LOCAL INFORMATION, Date, Time, Time Zone)**

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>PROVIDE LOCAL INFORMATION 1.4.1 |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PROVIDE<br>LOCAL INFORMATION 1.4.1         |                                 |
| 4    | Terminal → UICC | TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.4.1         | Command performed successfully. |

## PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.4.1

Logically:

## Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "03" Date Time and Time Zone

## Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

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

## TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.4.1

Logically:

## Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "03" Date Time and Time Zone

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully  
 Date-Time and Time Zone: date and time set by the user: 7<sup>th</sup> May 2002, 14h 08mn 17s, no time zone information, as an example in TLV

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 26 | 03 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A6 | 07 | 20 | 50 | 70 | 41 | 80 | 71 | FF |    |    |    |

## Expected Sequence 1.5 (PROVIDE LOCAL INFORMATION, Language setting)

| Step | Direction       | Message/Action   | Comments                        |
|------|-----------------|--|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>PROVIDE LOCAL INFORMATION<br>1.5.1 |                                 |
| 2    | Terminal → UICC | FETCH  |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PROVIDE<br>LOCAL INFORMATION 1.5.1            |                                 |
| 4    | Terminal → UICC | TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.5.1            | Command performed successfully. |

## PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.5.1

Logically:

## Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "04" Language setting

## Device identities

Source device: UICC  
 Destination device: Terminal

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 04 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

## TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.5.1

## Logically:

## Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "04" Language setting

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully  
 Language: English ("en") as an example for TLV

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 26 | 04 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | AD | 02 | 65 | 6E |    |    |    |    |    |    |    |    |

**Expected Sequence 1.6 Void****Expected Sequence 1.7 (PROVIDE LOCAL INFORMATION, Access Technology)**

The test method is not defined in the present document as it depends on a present NAA.

**Expected Sequence 1.8 (PROVIDE LOCAL INFORMATION, ESN of the terminal)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>PROVIDE LOCAL INFORMATION<br>1.8.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PROVIDE<br>LOCAL INFORMATION 1.8.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.8.1            | Command performed successfully,<br>IMEISV. |

## PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.8.1

## Logically:

## Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "07" ESN of the Terminal

## Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 07 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.8.1

Logically:

Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "07" ESN of the Terminal

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

ESN

ESN of the Terminal: The ESN of the Terminal

The ESN is coded as in TIA/EIA-41-D [8].

The result coding depends on the Terminal ESN value as declared in table A.1/25

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 26 | 07 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | C6 | 04 | XX | XX | XX | XX |    |    |    |    |    |    |

Expected Sequence 1.9 (PROVIDE LOCAL INFORMATION, IMEISV of the terminal)

| Step | Direction       | Message/Action   | Comments                                |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION 1.9.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.9.1         |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.9.1         | Command performed successfully, IMEISV. |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.9.1

Logically:

Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "08" IMEISV of the Terminal

Device identities

Source device: UICC  
 Destination device: Terminal

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 Terminal

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

IMEISV

IMEISV of the Terminal: The IMEISV of the Terminal

The result coding depends on the Terminal IMEISV value as declared in table A.2/24.

Coding:

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

As an example, if the IMEISV of the Terminal is "1234567890123456" then  
 XX XX XX XX XX XX XX XX XX = 13 32 54 76 98 10 32 54 F6. For further details see also ETSI TS 124 008 [5].

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

The test method is not defined in the present document as it depends on a present NAA.

**Expected Sequence 1.11 (PROVIDE LOCAL INFORMATION, charge state of the battery)**

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>PROVIDE LOCAL INFORMATION<br>1.11.1 |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PROVIDE<br>LOCAL INFORMATION 1.11.1            |                                 |
| 4    | Terminal → UICC | TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.11.1            | Command performed successfully. |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.11.1

Logically:

Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "0A" Charge State of the Battery

Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 0A | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|



TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.11.1

Logically:

Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "0A" Charge State of the Battery

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully  
 Battery State: XX where 0 ≤ XX ≤ 4

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 26 | 0A | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | E3 | 01 | XX |    |    |    |    |    |    |    |    |    |

Expected Sequence 1.12 Void

Expected Sequence 1.13 (PROVIDE LOCAL INFORMATION, Broadcast Network information)

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>PROVIDE LOCAL INFORMATION<br>1.13.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: PROVIDE<br>LOCAL INFORMATION 1.13.1   |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.13.1<br>OR<br>TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.13.2<br>OR<br>TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.13.3<br>OR<br>TERMINAL RESPONSE: PROVIDE<br>LOCAL INFORMATION 1.13.4 | Command performed successfully.<br><br>Detailed result depending on the Broadcast<br>network Technology available, either:<br>- DVB-H<br>- or DVB-T<br>- or DVB-SH<br>- or T-DMB |

PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.13.1

Logically:

Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "0D" Broadcast Network information according to current Broadcast  
 Network Technology used

Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 26 | 0D | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.13.1 (DVB-H)

Logically:

Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "0D" Broadcast Network information according to current Broadcast  
 Network Technology used

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Broadcast Network Information

Broadcast Network Technology: DVB-H  
 Broadcast Network Location Information:  
     Network\_id: "XX XX"  
     Cell\_id: "YY YY"  
     Hierarchy: Low priority "0Z" , where "0Z" is "01" or "02"  
     Number\_of\_subcell\_id: "nn" where  $nn \geq 1$   
     Subcell\_id(s): "SS ... TT", length and content not verified

Coding:

|          |    |     |    |    |    |    |    |    |    |    |     |    |
|----------|----|-----|----|----|----|----|----|----|----|----|-----|----|
| BER-TLV: | 81 | 03  | 01 | 26 | 0D | 82 | 02 | 82 | 81 | 83 | 01  | 00 |
|          | FA | Len | 00 | XX | XX | YY | YY | 0Z | nn | SS | ... | TT |

Len: length value is 7+nn

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.13.2 (DVB-T)

Logically:

Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "0D" Broadcast Network information according to current Broadcast  
 Network Technology used

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Broadcast Network Information

Broadcast Network Technology: DVB-T  
 Broadcast Network Location Information:  
     Network\_id: "XX XX"  
     Cell\_id: "YY YY"  
     Hierarchy: "FF"  
     Number\_of\_subcell\_id: "nn" where  $nn \geq 1$   
     Subcell\_id(s): "SS ... TT", length and content not verified

Coding:

|          |    |     |    |    |    |    |    |    |    |    |     |    |
|----------|----|-----|----|----|----|----|----|----|----|----|-----|----|
| BER-TLV: | 81 | 03  | 01 | 26 | 0D | 82 | 02 | 82 | 81 | 83 | 01  | 00 |
|          | FA | Len | 01 | XX | XX | YY | YY | FF | nn | SS | ... | TT |

Len: length value is 7+nn

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.13.3 (DVB-SH)

Logically:

## Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "0D" Broadcast Network information according to current Broadcast  
 Network Technology used

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Broadcast Network Information

Broadcast Network Technology: DVB-SH  
 Broadcast Network Location Information:  
 Network\_id: "XX XX"  
 Cell\_id: "YY YY"  
 Hierarchy: Low priority "0Z" , where "0Z" is "01" or "02"  
 Number\_of\_subcell\_id: "nn" where  $nn \geq 1$   
 Subcell\_id(s): "SS ... TT", length and content not verified

Coding:

|          |    |     |    |    |    |    |    |    |    |    |     |    |
|----------|----|-----|----|----|----|----|----|----|----|----|-----|----|
| BER-TLV: | 81 | 03  | 01 | 26 | 0D | 82 | 02 | 82 | 81 | 83 | 01  | 00 |
|          | FA | Len | 02 | XX | XX | YY | YY | 0Z | nn | SS | ... | TT |

Len: length value is 7+nn

TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.13.4 (T-DMB)

Logically:

## Command details

Command number: 1  
 Command type: PROVIDE LOCAL INFORMATION  
 Qualifier: "0D" Broadcast Network information according to current Broadcast  
 Network Technology used

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Broadcast Network Information

Broadcast Network Technology: T-DMB  
 Broadcast Network Location Information: none (FFS)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 26 | 0D | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | FA | 01 | 03 |    |    |    |    |    |    |    |    |    |

#### 27.22.4.15.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 1.1 to 1.13.

#### 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 Terminal shall support the Proactive UICC: Set Up Event List facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.16 and 6.6.16.

Additionally the Terminal shall support the Event Download: Call Connect and the Event Download: Call Disconnected mechanism as defined in:

- ETSI TS 102 223 [1], clauses 11.2, 11.2.1, 11.2.2, 11.3, 11.3.1 and 11.3.2.

###### 27.22.4.16.1.3 Test purpose

To verify that the Terminal 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 Terminal has successfully accepted or removed the list of events, it shall send TERMINAL RESPONSE (OK) to the UICC and when the Terminal is not able to successfully accept or remove the list of events, it shall send TERMINAL RESPONSE (Command beyond Terminal's capabilities).

###### 27.22.4.16.1.4 Method of test

###### 27.22.4.16.1.4.1 Initial conditions

The Terminal is connected to both the UICC Simulator.

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

Prior to this test the Terminal 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, User Activity)

| Step | Direction       | Message/Action                                     | Comments       |
|------|-----------------|--|----------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1 |                |
| 2    | Terminal → UICC | FETCH  |                |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1         |                |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1         |                |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION ENDED                       |                |
| 6    | USER → Terminal | User shall press any key                           |                |
| 7    | Terminal → UICC | ENVELOPE: EVENT DOWNLOAD USER ACTIVITY 1.1.1       | User Activity. |
| 8    | UICC → Terminal | PROACTIVE UICC SESSION ENDED                       |                |

## PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: '00'

## Device identities

Source device: UICC  
 Destination device: Terminal

## Event list

Event 1: User Activity

Coding:

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

## TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: '00'

## Device identities

Source device: Terminal  
 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 USER ACTIVITY 1.1.1

Logically:

## Event list

Event 1: User Activity

## Device identities

Source device: Terminal  
 Destination device: UICC

Coding:

|          |    |    |    |    |    |    |    |    |    |  |  |  |
|----------|----|----|----|----|----|----|----|----|----|--|--|--|
| BER-TLV: | D6 | 0A | 99 | 01 | 04 | 82 | 02 | 82 | 81 |  |  |  |
|----------|----|----|----|----|----|----|----|----|----|--|--|--|

**Expected Sequence 1.2 (SET UP EVENT LIST, Replace Event)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.2.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 1.2.1            | Idle Screen Available and Language<br>Selection. |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 1.2.1            |  |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.2.2 |  |
| 6    | Terminal → UICC | FETCH  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 1.2.2            | Language Selection.                              |
| 8    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 1.2.2            |  |
| 9    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                          |  |
| 10   | USER → Terminal | User shall press any key                                 |  |
| 11   | USER → Terminal | User shall change the terminal's<br>language setting     |  |
| 12   | Terminal → UICC | ENVELOPE: EVENT DOWNLOAD<br>CALL DISCONNECT 1.2.2        | Language Selection.                              |
| 13   | UICC → Terminal | PROACTIVE UICC SESSION<br>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: Terminal

## Event list

Event 1: Idle Screen Available  
 Event 2: Language Selection

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|          | 02 | 05 | 07 |    |    |    |    |    |    |    |    |    |

**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: Terminal  
 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: Terminal

## Event list

Event 1: Language Selection

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|          | 01 | 07 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: 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: Terminal  
 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 LANGUAGE SELECTION 1.2.2

## Logically:

## Event list

Event 1: Language Selection

## Device identities

Source device: Terminal  
 Destination device: UICC

Language

Language

'se'(Spanish) → 73 65  
 or 'de'→64 65 (German) for instance: choose a language different from the one initially set on the Terminal to check the proper execution of the command

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0E | 99 | 01 | 02 | 82 | 02 | 83 | 81 | 9C | 01 | 00 |
|          | AD | 02 | 73 | 65 |    |    |    |    |    |    |    |    |

**Expected Sequence 1.3 (SET UP EVENT LIST, Remove Event)**

| Step | Direction       | Message/Action  | Comments            |
|------|-----------------|---|---------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST 1.3.1 |                     |
| 2    | Terminal → UICC | FETCH   |                     |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP EVENT LIST 1.3.1            | Language Selection. |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP EVENT LIST 1.3.1            |                     |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST 1.3.1 |                     |
| 6    | Terminal → UICC | FETCH   |                     |
| 7    | UICC → Terminal | PROACTIVE COMMAND: SET UP EVENT LIST 1.3.2            | Remove Event.       |
| 8    | Terminal → UICC | TERMINAL RESPONSE: SET UP EVENT LIST 1.3.2            |                     |
| 9    | UICC → Terminal | PROACTIVE UICC SESSION ENDED                          |                     |
| 10   | USER → Terminal | User shall change the terminal's language setting     |                     |
| 11   | Terminal → UICC | No ENVELOPE: EVENT DOWNLOAD (language selection) sent |                     |

PROACTIVE COMMAND: SET UP EVENT LIST 1.3.1

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: '00'

Device identities

Source device: UICC  
 Destination device: Terminal

Event list

Event 1: Language Selection

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|          | 01 | 07 |    |    |    |    |    |    |    |    |    |    |



## 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: Terminal  
 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: Terminal  
 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: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

**Expected Sequence 1.4 (SET UP EVENT LIST, Remove Event on Terminal Power Cycle)**

| Step | Direction       | Message/Action  | Comments            |
|------|-----------------|---|---------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.4.1    |                     |
| 2    | Terminal → UICC | FETCH   |                     |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 1.4.1               | Language Selection. |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 1.4.1               |                     |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                             |                     |
| 6    | User → Terminal | Power off Terminal  |                     |
| 7    | User → Terminal | Power on Terminal   |                     |
| 8    | USER → Terminal | User shall change the terminal's<br>language setting        |                     |
| 9    | Terminal → UICC | No ENVELOPE: EVENT<br>DOWNLOAD (language selection)<br>sent |                     |

**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: Terminal

## Event list

Event 1: Language Selection

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|          | 01 | 07 |    |    |    |    |    |    |    |    |    |    |

**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: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.16.1.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: Perform Card APDU facility as defined in:

- ETSI TS 102 223 [1], clauses 6.1, 5.2, 6.4.17, 6.6.17, 6.8, 8.6, 8.7, 8.35, 8.36 and 8.12.9.

Additionally the Terminal shall support multiple card operation as defined in:

- ETSI TS 102 223 [1], clauses 6.4.19, 6.6.19, 6.4.18 and 6.6.18.

## 27.22.4.17.1.3 Test purpose

To verify that the Terminal 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 Terminal-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for Terminals 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 Terminal 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 Terminal is connected to the UICC Simulator.

The TestSIM is inserted in the additional Terminal card reader.

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

If the Terminal supports a detachable card reader, the card reader shall be attached to the Terminal.

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 UICC 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)**

| Step | Direction       | Message/Action                                       | Comments                           |
|------|-----------------|--|------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: POWER ON CARD<br>1.1.1 |                                    |
| 2    | Terminal → UICC | FETCH  |                                    |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>POWER ON CARD 1.1.1            | Power on card reader 1.            |
| 4    | Terminal → SIM2 | RESET CARD   | Perform electrical initialization. |
| 5    | SIM2 → Terminal | ANSWER TO RESET 1.1                                  | ATR                                |

| Step | Direction       | Message/Action                                     | Comments   |
|------|-----------------|--|--|
| 6    | Terminal → UICC | TERMINAL RESPONSE: POWER ON CARD 1.1.1             | ATR  |
| 7    | UICC → Terminal | PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.1.1 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PERFORM CARD APDU 1.1.1         | Select Masterfile.   |
| 10   | Terminal → SIM2 | C-APDU: SELECT 1.1                                 | Select Masterfile.   |
| 11   | SIM2 → Terminal | R-APDU: SELECT 1.1                                 | Command performed successfully - length '1B' of response data. |
| 12   | Terminal → UICC | TERMINAL RESPONSE: PERFORM CARD APDU 1.1.1         |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.1.2 |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: PERFORM CARD APDU 1.1.2         | Get Response with length '1B'.                                 |
| 16   | Terminal → SIM2 | C-APDU: GET RESPONSE 1.1                           | Get Response with length '1B'.                                 |
| 17   | SIM2 → Terminal | R-APDU: GET RESPONSE 1.1                           | Response data with length '1B'.                                |
| 18   | Terminal → UICC | TERMINAL RESPONSE: PERFORM CARD APDU 1.1.2         | Response data with length '1B'.                                |

PROACTIVE COMMAND POWER ON CARD 1.1.1

Logically:

Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Card reader 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 81 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

ANSWER TO RESET 1.1

Logically:

TS (Initial character): '3B'  
 T0 (Format character): '86' (Following interface characters: TD(1), number of historical characters: 6)  
 TD1: '00' (Following interface characters: none, Transfer protocol: T=0)  
 T1: 91  
 T2: 99  
 T3: 00  
 T4: 12  
 T5: C1  
 T6: 00

Coding:

|         |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|
| Coding: | 3B | 86 | 00 | 91 | 99 | 00 | 12 | C1 | 00 |
|---------|----|----|----|----|----|----|----|----|----|

## TERMINAL RESPONSE: POWER ON CARD 1.1.1

## Logically:

## Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card ATR

TS (Initial character): '3B'  
 T0 (Format character): '86' (Following interface characters: TD(1), number of historical characters: 6)  
 TD1: '00' (Following interface characters: none, Transfer protocol: T=0)  
 T1: 91  
 T2: 99  
 T3: 00  
 T4: 12  
 T5: C1  
 T6: 00

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A1 | 09 | 3B | 86 | 00 | 91 | 99 | 00 | 12 | C1 | 00 |    |

## PROACTIVE COMMAND PERFORM CARD APDU 1.1.1

## Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Card Reader 1

## C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: Master File

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 11 | A2 |
|          | 07 | A0 | A4 | 00 | 00 | 02 | 3F | 00 |    |    |    |    |

C-APDU: SELECT 1.1

Logically:

C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: Master File

Coding:

|         |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|
| Coding: | A0 | A4 | 00 | 00 | 02 | 3F | 00 |
|---------|----|----|----|----|----|----|----|

R-APDU: SELECT 1.1

Logically:

Status Words

SW1/SW2: Command performed successfully - length '1B' of response data

Coding:

|         |    |    |
|---------|----|----|
| Coding: | 9F | 1B |
|---------|----|----|

TERMINAL RESPONSE: PERFORM CARD APDU 1.1.1

Logically:

Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

R-APDU

Status Words

SW1/SW2: Command performed successfully - length '1B' of response data

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A3 | 02 | 9F | 1B |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND PERFORM CARD APDU 1.1.2

Logically:

Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: '00'

## Device identities

Source device: UICC  
 Destination device: Card Reader 1

## C-APDU

Class: 'A0'  
 Instruction: GET RESPONSE  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Le: '1B'

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 10 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 11 | A2 |
|          | 05 | A0 | C0 | 00 | 00 | 1B |    |    |    |    |    |    |

## C-APDU: GET RESPONSE 1.1

## Logically:

## C-APDU

Class: 'A0'  
 Instruction: GET RESPONSE  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Le: '1B'

## Coding:

|         |    |    |    |    |    |
|---------|----|----|----|----|----|
| Coding: | A0 | C0 | 00 | 00 | 1B |
|---------|----|----|----|----|----|

## R-APDU: GET RESPONSE 1.1

## Logically:

## R-APDU data

RFU: '00 00'  
 Not allocated memory: '653 bytes'  
 File ID: Master File  
 Type of file: MF  
 RFU: 00 00 22 FF 01'  
 Length of following data: 14 bytes'  
 File characteristics:  
   Clock Stop: Not allowed  
   Min. frequency for 3GPP algorithm: 13/8 MHz  
   Technology identification: 3V Technology SIM  
   CHV1: disabled  
 DFs in current directory: 2  
 EFs in current directory: 8  
 Number of CHV and admin. Codes: 3  
 RFU byte 18: 00  
 CHV1 status:  
   False representations remaining: 3  
   RFU-bits 7-5: 000  
   Secret code: Initialized  
 Unlock CHV1 status:  
   False representations remaining: 10  
   RFU-bits 7-5: 000  
   Secret code: Initialized

CHV2 status:  
 False representations remaining: 3  
 RFU-bits 7-5: 000  
 Secret code: Initialized

Unlock CHV2 status:  
 False representations remaining: 10  
 RFU-bits 7-5: 000  
 Secret code: Initialized  
 RFU bytes 23: 00  
 Reserved for admin. management: 00 83 00 FF

Status Words  
 SW1/SW2: Normal ending of command

## Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 00 | 00 | 02 | 8D | 3F | 00 | 01 | 00 | 00 | 22 | FF | 01 |
|         | 0E | 9B | 02 | 08 | 03 | 00 | 83 | 8A | 83 | 8A | 00 | 00 |
|         | 83 | 00 | FF | 90 | 00 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: PERFORM CARD APDU 1.1.2

## Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## R-APDU data

RFU: '00 00'  
 Not allocated memory: '653 bytes'  
 File ID: Master File  
 Type of file: MF  
 RFU: 00 00 22 FF 01'  
 Length of following data: 14 bytes'  
 File characteristics:  
 Clock Stop: Not allowed  
 Min. frequency for 3GPP algorithm: 13/8 MHz  
 Technology identification: 3V Technology SIM  
 CHV1: disabled  
 DFs in current directory: 2  
 EFs in current directory:  
 Number of CHV and admin. Codes: 3



RFU byte 18: 00  
 CHV1 status:  
   False representations remaining: 3  
   RFU-bits 7-5: 000  
   Secret code: Initialized  
 Unlock CHV1 status:  
   False representations remaining: 10  
   RFU-bits 7-5: 000  
   Secret code: Initialized  
 CHV2 status:  
   False representations remaining: 3  
   RFU-bits 7-5: 000  
   Secret code: Initialized  
 Unlock CHV2 status:  
   False representations remaining: 10  
   RFU-bits 7-5: 000  
   Secret code: Initialized  
 RFU bytes 23: 00  
 Reserved for admin. management: 00 83 00 FF  
 Status Words  
 SW1/SW2: Normal ending of command

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A3 | 0F | 00 | 00 | 02 | 8D | 3F | 00 | 01 | 00 | 00 | 22 |
|          | FF | 01 | 0E | 90 | 00 |    |    |    |    |    |    |    |

**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)**

| Step | Direction       | Message/Action   | Comments                           |
|------|-----------------|--|------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: POWER ON CARD<br>1.1.1     |                                    |
| 2    | Terminal → UICC | FETCH  |                                    |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>POWER ON CARD 1.1.1                | Power on card reader 1.            |
| 4    | Terminal → SIM2 | RESET CARD   | Perform electrical initialization. |
| 5    | SIM2 → Terminal | ANSWER TO RESET 1.1                                      | ATR.                               |
| 6    | Terminal → UICC | TERMINAL RESPONSE: POWER<br>ON CARD 1.1.1                | ATR.                               |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PERFORM CARD<br>APDU 1.2.1 |                                    |
| 8    | Terminal → UICC | FETCH  |                                    |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>PERFORM CARD APDU 1.2.1            | Select GSM.                        |
| 10   | Terminal → SIM2 | C-APDU: SELECT 1.2a                                      | Select GSM.                        |
| 11   | SIM2 → Terminal | R-APDU: SELECT 1.2a                                      |                                    |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>PERFORM CARD APDU 1.2.1            |                                    |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PERFORM CARD<br>APDU 1.2.2 |                                    |
| 14   | Terminal → UICC | FETCH  |                                    |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>PERFORM CARD APDU 1.2.2            | Select PLMN.                       |
| 16   | Terminal → SIM2 | C-APDU: SELECT 1.2b                                      | Select PLMN.                       |
| 17   | SIM2 → Terminal | R-APDU: SELECT 1.2b                                      |                                    |
| 18   | Terminal → UICC | TERMINAL RESPONSE:<br>PERFORM CARD APDU 1.2.2            |                                    |

| Step | Direction       | Message/Action   | Comments       |
|------|-----------------|--|----------------|
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PERFORM CARD<br>APDU 1.2.3 |                |
| 20   | Terminal → UICC | FETCH  |                |
| 21   | UICC → Terminal | PROACTIVE COMMAND:<br>PERFORM CARD APDU 1.2.3            | Update Binary. |
| 22   | Terminal → SIM2 | C-APDU: UPDATE BINARY 1.2                                | Update Binary. |
| 23   | SIM2 → Terminal | R-APDU: UPDATE BINARY 1.2                                |                |
| 24   | Terminal → UICC | TERMINAL RESPONSE:<br>PERFORM CARD APDU 1.2.3            |                |
| 25   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PERFORM CARD<br>APDU 1.2.4 |                |
| 26   | Terminal → UICC | FETCH  |                |
| 27   | UICC → Terminal | PROACTIVE COMMAND:<br>PERFORM CARD APDU 1.2.4            | Read Binary.   |
| 28   | Terminal → SIM2 | C-APDU: READ BINARY 1.2                                  | Read Binary.   |
| 29   | SIM2 → Terminal | R-APDU: READ BINARY 1.2                                  |                |
| 30   | Terminal → UICC | TERMINAL RESPONSE:<br>PERFORM CARD APDU 1.2.4            |                |
| 31   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PERFORM CARD<br>APDU 1.2.5 |                |
| 32   | Terminal → UICC | FETCH  |                |
| 33   | UICC → Terminal | PROACTIVE COMMAND:<br>PERFORM CARD APDU 1.2.5            | Update Binary. |
| 34   | Terminal → SIM2 | C-APDU: UPDATE BINARY 1.2a                               | Update Binary. |
| 35   | SIM2 → Terminal | R-APDU: UPDATE BINARY 1.2                                |                |
| 36   | Terminal → UICC | TERMINAL RESPONSE:<br>PERFORM CARD APDU 1.2.3            |                |

### PROACTIVE COMMAND PERFORM CARD APDU 1.2.1

Logically:

#### Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

#### Device identities

Source device: UICC  
 Destination device: Card Reader 1

#### C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: DF GSM

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 11 | A2 |
|          | 07 | A0 | A4 | 00 | 00 | 02 | 7F | 20 |    |    |    |    |

PROACTIVE COMMAND: PERFORM CARD APDU 1.2.2

Logically:

Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Card Reader 1

C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: EF PLMN

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 11 | A2 |
|          | 07 | A0 | A4 | 00 | 00 | 02 | 6F | 30 |    |    |    |    |

PROACTIVE COMMAND: PERFORM CARD APDU 1.2.3

Logically:

Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Card Reader 1

C-APDU

Class: 'A0'  
 Instruction: UPDATE BINARY  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '18'  
 Data: '00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0B 0E 0F 10 11 12 13 14 15 16 17'

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 28 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 11 | A2 |
|          | 1D | A0 | D6 | 00 | 00 | 18 | 00 | 01 | 02 | 03 | 04 | 05 |
|          | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | 0F | 10 | 11 |
|          | 12 | 13 | 14 | 15 | 16 | 17 |    |    |    |    |    |    |

PROACTIVE COMMAND: PERFORM CARD APDU 1.2.4

Logically:

Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Card Reader 1

C-APDU

Class: 'A0'  
 Instruction: READ BINARY  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Le: '18'

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 10 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 11 | A2 |
|          | 05 | A0 | B0 | 00 | 00 | 18 |    |    |    |    |    |    |

PROACTIVE COMMAND: PERFORM CARD APDU 1.2.5

Logically:

Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Card Reader 1

C-APDU

Class: 'A0'  
 Instruction: UPDATE BINARY  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '18'  
 Data: 'FF FF'

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 28 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 11 | A2 |
|          | 1D | A0 | D6 | 00 | 00 | 18 | FF | FF | FF | FF | FF | FF |
|          | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |
|          | FF | FF | FF | FF | FF | FF |    |    |    |    |    |    |

C-APDU: SELECT 1.2a

Logically:

C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: DF GSM

Coding:

|         |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|
| Coding: | A0 | A4 | 00 | 00 | 02 | 7F | 20 |
|---------|----|----|----|----|----|----|----|

C-APDU: SELECT 1.2b

Logically:

C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: EF PLMN

Coding:

|         |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|
| Coding: | A0 | A4 | 00 | 00 | 02 | 6F | 30 |
|---------|----|----|----|----|----|----|----|

C-APDU: UPDATE BINARY 1.2

Logically:

C-APDU

Class: 'A0'  
 Instruction: UPDATE BINARY  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '18'  
 Data: '00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0B 0E 0F 10 11 12 13 14 15 16 17'

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | A0 | D6 | 00 | 00 | 18 | 00 | 01 | 02 | 03 | 04 | 05 | 06 |
|         | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E | 0F | 10 | 11 | 12 |
|         | 13 | 14 | 15 | 16 | 17 |    |    |    |    |    |    |    |

C-APDU: READ BINARY 1.2

Logically:

C-APDU

Class: 'A0'  
 Instruction: READ BINARY  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Le: '18'

Coding:

|         |    |    |    |    |    |
|---------|----|----|----|----|----|
| Coding: | A0 | B0 | 00 | 00 | 18 |
|---------|----|----|----|----|----|

C-APDU: UPDATE BINARY 1.2a

Logically:

C-APDU

Class: 'A0'  
 Instruction: UPDATE BINARY  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '18'  
 Data: 'FF FF'

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | A0 | D6 | 00 | 00 | 18 | FF | FF | FF | FF | FF | FF | FF |
|         | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF | FF |
|         | FF | FF | FF | FF | FF |    |    |    |    |    |    |    |

R-APDU: SELECT 1.2a

Logically:

Status Words  
SW1/SW2: Normal ending of command - length '1B' of response data

Coding:

|         |    |    |
|---------|----|----|
| Coding: | 9F | 1B |
|---------|----|----|

R-APDU: SELECT 1.2b

Logically:

Status Words  
SW1/SW2: Normal ending of command - length '0F' of response data

Coding:

|         |    |    |
|---------|----|----|
| Coding: | 9F | 0F |
|---------|----|----|

R-APDU: UPDATE BINARY 1.2

Logically:

Status Words  
SW1/SW2: Normal ending of command

Coding:

|         |    |    |
|---------|----|----|
| Coding: | 90 | 00 |
|---------|----|----|

R-APDU: READ BINARY 1.2

Logically:

R-APDU data  
Data: '00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17'

Status Words  
SW1/SW2: Normal ending of command

Coding:

|         |    |    |    |    |    |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|
| Coding: | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B |
|         | 0C | 0D | 0E | 0F | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|         | 90 | 00 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: PERFORM CARD APDU 1.2.1

Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## R-APDU

Status Words  
 SW1/SW2: Command performed successfully - length 1B of response data

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A3 | 02 | 9F | 1B |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: PERFORM CARD APDU 1.2.2

Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## R-APDU

Status Words  
 SW1/SW2: Command performed successfully - length 0F of response data

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A3 | 02 | 9F | 0F |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: PERFORM CARD APDU 1.2.3

Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## R-APDU

Status Words

SW1/SW2: Normal ending of command

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A3 | 02 | 90 | 00 |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: PERFORM CARD APDU 1.2.4

## Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## R-APDU

R-APDU data

Data: '00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0B 0E 0F 10 11 12 13 14  
 15 16 17'

Status Words

SW1/SW2: Normal ending of command

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A3 | 1A | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
|          | 0A | 0B | 0C | 0D | 0E | 0F | 10 | 11 | 12 | 13 | 14 | 15 |
|          | 16 | 17 | 90 | 00 |    |    |    |    |    |    |    |    |

## Expected Sequence 1.3 (PERFORM CARD APDU, card reader 1, card inserted, card powered off)

| Step | Direction       | Message/Action                                     | Comments                 |
|------|-----------------|--|--------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: POWER OFF CARD 1.3.1    |                          |
| 2    | Terminal → UICC | FETCH  |                          |
| 3    | UICC → Terminal | PROACTIVE COMMAND: POWER OFF CARD 1.3.1            | Power off card reader 1. |
| 4    | Terminal → SIM2 | POWER OFF CARD                                     | Power off card reader 1. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: POWER OFF CARD 1.3.1            | Successful.              |
| 6    | Terminal        | SIM2 is powered off from Terminal card reader      |                          |
| 7    | UICC → Terminal | PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.1.1 |                          |
| 8    | Terminal → UICC | FETCH  |                          |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PERFORM CARD APDU 1.1.1         | Select Master File.      |
| 10   | Terminal → UICC | TERMINAL RESPONSE: PERFORM CARD APDU 1.3.1         | Card powered off.        |



## PROACTIVE COMMAND: POWER OFF CARD 1.3.1

Logically:

## Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Card reader 1

Coding:

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

## TERMINAL RESPONSE: POWER OFF CARD 1.3.1

Logically:

## Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## TERMINAL RESPONSE: PERFORM CARD APDU 1.3.1

Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: MultipleCard commands error  
 Additional Information: Card powered off

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 02 |
|          | 38 | 04 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 1.4 (PERFORM CARD APDU, card reader 1, no card inserted)**

| Step | Direction       | Message/Action   | Comments            |
|------|-----------------|--|---------------------|
| 1    | Terminal        | SIM2 is removed from Terminal card reader                |                     |
| 2    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PERFORM CARD<br>APDU 1.1.1 |                     |
| 3    | Terminal → UICC | FETCH  |                     |
| 4    | UICC → Terminal | PROACTIVE COMMAND:<br>PERFORM CARD APDU 1.1.1            | Select Master File. |
| 5    | Terminal → UICC | TERMINAL RESPONSE:<br>PERFORM CARD APDU 1.4.1            | No card inserted.   |

**TERMINAL RESPONSE: PERFORM CARD APDU 1.4.1**

Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: MultipleCard commands error  
 Additional Information: Card removed or not present

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 02 |
|          | 38 | 02 |    |    |    |    |    |    |    |    |    |

**Expected Sequence 1.5 (PERFORM CARD APDU, card reader 7 (which is not the valid card reader identifier of the additional Terminal card reader))**

| Step | Direction       | Message/Action   | Comments                    |
|------|-----------------|--|-----------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PERFORM CARD<br>APDU 1.5.1 | Invalid card reader ID.     |
| 3    | Terminal → UICC | FETCH  |                             |
| 4    | UICC → Terminal | PROACTIVE COMMAND:<br>PERFORM CARD APDU 1.5.1            | Select Master File.         |
| 5    | Terminal → UICC | TERMINAL RESPONSE:<br>PERFORM CARD APDU 1.5.1            | Specified reader not valid. |

**PROACTIVE COMMAND: PERFORM CARD APDU 1.5.1**

Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Card Reader 7

## C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: Master File

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 17 | A2 |
|          | 07 | A0 | A4 | 00 | 00 | 02 | 3F | 00 |    |    |    |    |

C-APDU: SELECT 1.1

Logically:

## C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: Master File

Coding:

|         |    |    |    |    |    |    |    |
|---------|----|----|----|----|----|----|----|
| Coding: | A0 | A4 | 00 | 00 | 02 | 3F | 00 |
|---------|----|----|----|----|----|----|----|

TERMINAL RESPONSE: PERFORM CARD APDU 1.5.1

Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: MultipleCard commands error  
 Additional Information: Specified reader not valid

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 02 |
|          | 38 | 09 |    |    |    |    |    |    |    |    |    |

## 27.22.4.17.1.5 Test requirement

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

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

The card reader shall be detached from the Terminal.

27.22.4.17.2.4.2 Procedure

#### Expected Sequence 2.1 (PERFORM CARD APDU, card reader 1, card reader detached)

| Step | Direction       | Message/Action   | Comments              |
|------|-----------------|--|-----------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PERFORM CARD<br>APDU 2.1.1 |                       |
| 2    | Terminal → UICC | FETCH  |                       |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>PERFORM CARD APDU 2.1.1            | Select Master File.   |
| 4    | Terminal → UICC | TERMINAL RESPONSE:<br>PERFORM CARD APDU 2.1.1            | Card reader detached. |

#### PROACTIVE COMMAND: PERFORM CARD APDU 2.1.1

Logically:

##### Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Card Reader 1

##### C-APDU

Class: 'A0'  
 Instruction: SELECT  
 P1 parameter: '00'  
 P2 parameter: '00'  
 Lc: '02'  
 Data: Master File

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 81 | 11 | A2 |
|          | 07 | A0 | A4 | 00 | 00 | 02 | 3F | 00 |    |    |    |    |

## TERMINAL RESPONSE: PERFORM CARD APDU 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: PERFORM CARD APDU  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 30 | 00 | 82 | 02 | 82 | 81 | 83 | 02 |
|          | 38 | 01 |    |    |    |    |    |    |    |    |    |

## 27.22.4.17.2.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: Power Off Card facility as defined in:

- ETSI TS 102 223 [1], clauses 6.1, 6.4.18, 6.6.18, 8.6, 8.7, 8.12, 8.12.9, 5.2 and annex H.

## 27.22.4.18.1.3 Test purpose

To verify that the Terminal 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 Terminal-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for Terminals 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 Terminal is connected to the UICC Simulator.

The Terminal card reader is connected to a SIM 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 UICC Simulator shall take into account the corresponding response data.

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

If the Terminal supports a detachable card reader, the card reader shall be attached to the Terminal.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action                                     | Comments                 |
|------|-----------------|--|--------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>POWER OFF CARD 1.1.1 |                          |
| 2    | Terminal → UICC | FETCH  |                          |
| 3    | UICC → Terminal | PROACTIVE COMMAND: POWER OFF<br>CARD 1.1.1         | Power off card reader 1. |
| 4    | Terminal → SIM2 | POWER OFF CARD                                     | Power off card reader 1. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: POWER OFF<br>CARD 1.1.1         | Successful.              |

## PROACTIVE COMMAND: POWER OFF CARD 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Card reader 1

Coding:

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

## TERMINAL RESPONSE: POWER OFF CARD 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action                                     | Comments                 |
|------|-----------------|--|--------------------------|
| 1    | SIM2            | SIM2 is removed from Terminal card reader          |                          |
| 2    | UICC → Terminal | PROACTIVE COMMAND PENDING: POWER<br>OFF CARD 1.1.1 |                          |
| 3    | Terminal → UICC | FETCH  |                          |
| 4    | UICC → Terminal | PROACTIVE COMMAND: POWER OFF CARD<br>1.1.1         | Power off card reader 1. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: POWER OFF CARD<br>1.2.1         | No card inserted.        |

TERMINAL RESPONSE: POWER OFF CARD 1.2.1

Logically:

Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: MultipleCard commands error  
 Additional Information: Card removed or not present

Coding:

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

27.22.4.18.1.5 Test requirement

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The Terminal card reader is connected to a SIM Simulator (SIM2).

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

Prior to this test the Terminal shall have powered on the SIM Simulator (SIM2).

The card reader shall be detached from the Terminal.

27.22.4.18.2.4.2 Procedure

**Expected Sequence 2.1 (POWER OFF CARD, card reader 1, no card reader attached)**

| Step | Direction       | Message/Action                                     | Comments                            |
|------|-----------------|--|-------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>POWER OFF CARD 2.1.1 |                                     |
| 2    | Terminal → UICC | FETCH  |                                     |
| 3    | UICC → Terminal | PROACTIVE COMMAND: POWER<br>OFF CARD 2.1.1         | Power off card reader 1.            |
| 4    | Terminal → UICC | TERMINAL RESPONSE: POWER OFF<br>CARD 2.1.1         | Card reader removed or not present. |

PROACTIVE COMMAND: POWER OFF CARD 2.1.1

Logically:

Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Card reader 1

Coding:

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

TERMINAL RESPONSE: POWER OFF CARD 2.1.1

Logically:

Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

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

27.22.4.18.2.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: Power On Card facility as defined in:

- ETSI TS 102 223 [1], clauses 6.1, 6.4.19, 6.6.19, 8.6, 8.7, 8.12, 8.12.9, 8.34, 5.2 and annex H.
- ISO/IEC 7816-3 [7].

## 27.22.4.19.1.3 Test purpose

To verify that the Terminal 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 Terminal-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for Terminals 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 Terminal is connected to the UICC Simulator.

The Terminal 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 UICC Simulator shall take into account the corresponding response data.

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

If the Terminal supports a detachable card reader, the card reader shall be attached to the Terminal.

## 27.22.4.19.1.4.2 Procedure

**Expected Sequence 1.1 (POWER ON CARD, card reader 1)**

| Step | Direction       | Message/Action                                    | Comments                           |
|------|-----------------|---|------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>POWER ON CARD 1.1.1 |                                    |
| 2    | Terminal → UICC | FETCH   |                                    |
| 3    | UICC → Terminal | PROACTIVE COMMAND: POWER ON<br>CARD 1.1.1         | Power on card reader 1.            |
| 4    | Terminal → SIM2 | RESET CARD  | Perform electrical initialization. |
| 5    | SIM2 → Terminal | ANSWER TO RESET 1.1.1                             | ATR                                |
| 6    | Terminal → UICC | TERMINAL RESPONSE: POWER ON<br>CARD 1.1.1         | ATR                                |

## PROACTIVE COMMAND: POWER ON CARD 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Card reader 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 81 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

ANSWER TO RESET 1.1.1

Logically:

TS (Initial character): '3B'  
 T0 (Format character): 0F  
 T1 (Historical character): 'P'  
 T2 (Historical character): 'o'  
 T3 (Historical character): 'w'  
 T4 (Historical character): 'e'  
 T5 (Historical character): 'r'  
 T6 (Historical character): 'O'  
 T7 (Historical character): 'n'  
 T8 (Historical character): 'C'  
 T9 (Historical character): 'a'  
 T10 (Historical character): 'r'  
 T11 (Historical character): 'd'  
 T12 (Historical character): 'T'  
 T13 (Historical character): 'e'  
 T14 (Historical character): 's'  
 T15 (Historical character): 't'

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 3B | 0F | 50 | 6F | 77 | 65 | 72 | 4F | 6E | 43 | 61 | 72 |
|          | 64 | 54 | 65 | 74 | 75 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: POWER ON CARD 1.1.1

Logically:

Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Card ATR

TS (Initial character): '3B'  
 T0 (Format character): 0F  
 T1 (Historical character): 'P'  
 T2 (Historical character): 'o'  
 T3 (Historical character): 'w'  
 T4 (Historical character): 'e'  
 T5 (Historical character): 'r'  
 T6 (Historical character): 'O'  
 T7 (Historical character): 'n'  
 T8 (Historical character): 'C'  
 T9 (Historical character): 'a'  
 T10 (Historical character): 'r'  
 T11 (Historical character): 'd'  
 T12 (Historical character): 'T'  
 T13 (Historical character): 'e'  
 T14 (Historical character): 's'  
 T15 (Historical character): 't'

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A1 | 11 | 3B | 0F | 50 | 6F | 77 | 65 | 72 | 4F | 6E | 43 |
|          | 61 | 72 | 64 | 54 | 65 | 74 | 75 |    |    |    |    |    |

**Expected Sequence 1.2 (POWER ON CARD, card reader 1, no ATR)**

| Step | Direction       | Message/Action                                       | Comments                           |
|------|-----------------|--|------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: POWER ON CARD<br>1.1.1 |                                    |
| 2    | Terminal → UICC | FETCH  |                                    |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>POWER ON CARD 1.1.1            | Power on card reader 1.            |
| 4    | Terminal → SIM2 | RESET CARD   | Perform electrical initialization. |
| 5    | SIM2 → Terminal | NO ATR   | No ATR                             |
| 6    | Terminal → UICC | TERMINAL RESPONSE: POWER<br>ON CARD 1.2.1            | No ATR                             |

TERMINAL RESPONSE: POWER ON CARD 1.2.1

Logically:

Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: MultipleCard commands error  
 Additional Information: Card mute

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 38 |
|          | 06 |    |    |    |    |    |    |    |    |    |    |    |

**Expected Sequence 1.3 (POWER ON CARD, card reader 1, no card inserted)**

| Step | Direction       | Message/Action                                       | Comments                     |
|------|-----------------|--|------------------------------|
| 1    | SIM2            | SIM2 is removed from Terminal<br>card reader         |                              |
| 2    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: POWER ON CARD<br>1.1.1 |                              |
| 3    | Terminal → UICC | FETCH  |                              |
| 4    | UICC → Terminal | PROACTIVE COMMAND:<br>POWER ON CARD 1.1.1            | Power on card reader 1.      |
| 5    | Terminal → UICC | TERMINAL RESPONSE: POWER<br>ON CARD 1.3.1            | Card removed or not present. |

## TERMINAL RESPONSE: POWER ON CARD 1.3.1

Logically:

## Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

## Device identities

Source device: Card reader 0  
 Destination device: UICC

## Result

General Result: MultipleCard commands error  
 Additional Information: Card removed or not present

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 38 |
|          | 02 |    |    |    |    |    |    |    |    |    |    |    |

## 27.22.4.19.1.5 Test requirement

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

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

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

The card reader shall be detached from the Terminal.

## 27.22.4.19.2.4.2 Procedure

**Expected Sequence 2.1 (POWER ON CARD, card reader 1, no card reader attached)**

| Step | Direction       | Message/Action                                       | Comments                            |
|------|-----------------|--|-------------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: POWER ON CARD<br>2.1.1 |                                     |
| 2    | Terminal → UICC | FETCH  |                                     |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>POWER ON CARD 2.1.1            | Power on card reader 1.             |
| 4    | Terminal → UICC | TERMINAL RESPONSE: POWER<br>ON CARD 2.1.1            | Card reader removed or not present. |

## PROACTIVE COMMAND: POWER ON CARD 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Card reader 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 81 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

## TERMINAL RESPONSE: POWER ON CARD 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

## Device identities

Source device: Card reader 0  
 Destination device: UICC

## Result

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 82 | 81 | 83 | 02 | 38 |
|          | 01 |    |    |    |    |    |    |    |    |    |    |    |

## 27.22.4.19.2.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: Get Card Reader Status facility as defined in:

- ETSI TS 102 223 [1], clauses 6.1, 5.2, 6.4.20, 6.6.20, 6.8, 8.6, 8.7, 8.33, 8.57 and annex H.

Additionally the Terminal shall support multiple card operation as defined in:

- ETSI TS 102 223 [1], clauses 6.4.19, 6.6.19, 6.4.18 and 6.6.18.

## 27.22.4.20.1.3 Test purpose

To verify that the Terminal 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 Terminal-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for Terminals 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 Terminal shall support the Proactive UICC: Get Card Reader Status (Card Reader Status) facility. The Terminal is connected to the UICC Simulator.

The Terminal 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 UICC Simulator shall take into account the corresponding response data.

The elementary files are coded as Card Application Toolkit default.

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

If the Terminal supports a detachable card reader, the card reader shall be attached to the Terminal.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>POWER ON CARD 1.1.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: POWER ON<br>CARD 1.1.1  | Power on card reader 1.  |
| 4    | Terminal → SIM2 | RESET CARD   | Perform electrical initialization.                                   |
| 5    | SIM2 → Terminal | ANSWER TO RESET 1.1.1  | ATR  |
| 6    | Terminal → UICC | TERMINAL RESPONSE: POWER ON<br>CARD 1.1.1  | ATR  |
| 7    | UICC → Terminal | PROACTIVE COMMAND PENDING: GET<br>CARD READER STATUS 1.1.1   |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: GET CARD<br>READER STATUS 1.1.1   | Get Card Reader Status.  |
| 10   | Terminal → UICC | TERMINAL RESPONSE: GET CARD<br>READER STATUS 1.1.1a<br>Or<br>TERMINAL RESPONSE: GET CARD<br>READER STATUS 1.1.1b<br>or<br>TERMINAL RESPONSE: GET CARD<br>READER STATUS 1.1.1c<br>or<br>TERMINAL RESPONSE: GET CARD<br>READER STATUS 1.1.1d | Successful.<br><br>Successful.<br><br>Successful.<br><br>Successful. |

PROACTIVE COMMAND: POWER ON CARD 1.1.1

Logically:

Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Card reader 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 81 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

ANSWER TO RESET 1.1.1

Logically:

TS (Initial character): '3B'  
 T0 (Format character): '00'

Coding:

|         |    |    |
|---------|----|----|
| Coding: | 3B | 00 |
|---------|----|----|

TERMINAL RESPONSE: POWER ON CARD 1.1.1

Logically:

Command details

Command number: 1  
 Command type: POWER ON CARD  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Card ATR

TS (Initial character): '3B'  
 T0 (Format character): '00'

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 31 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A1 | 02 | 3B | 00 |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: GET CARD READER STATUS 1.1.1

Logically:

Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: UICC  
 Destination device: Terminal

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

## TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1a

## Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '01'  
 Card reader removable: 'No'  
 Card reader present: Yes  
 Card reader ID-1 size: 'Yes'  
 Card present in reader: Yes  
 Card powered: Yes

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | F1 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1b

## Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '01'  
 Card reader removable: 'No'  
 Card reader present: Yes  
 Card reader ID-1 size: 'No'  
 Card present in reader: Yes  
 Card powered: Yes



Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | D1 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1c

Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '01'  
 Card reader removable: 'Yes'  
 Card reader present: Yes  
 Card reader ID-1 size: 'Yes'  
 Card present in reader: Yes  
 Card powered: Yes

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | F9 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1d

Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '01'  
 Card reader removable: 'Yes'  
 Card reader present: Yes  
 Card reader ID-1 size: 'No'  
 Card present in reader: Yes  
 Card powered: Yes

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | D9 |    |    |    |    |    |    |    |

**Expected Sequence 1.2 (GET CARD READER STATUS, card reader 1, card inserted, card not powered)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: POWER OFF CARD 1.2.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: POWER OFF CARD 1.2.1  | Power off card reader 1.   |
| 4    | Terminal → SIM2 | POWER OFF CARD   | Power off card reader 1.   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: POWER OFF CARD 1.2.1  | Successful.  |
| 6    | UICC → Terminal | PROACTIVE COMMAND PENDING: GET CARD READER STATUS 1.1.1  |  |
| 7    | Terminal → UICC | FETCH  |  |
| 8    | UICC → Terminal | PROACTIVE COMMAND: GET CARD READER STATUS 1.1.1  | Get Card Reader Status.  |
| 9    | Terminal → UICC | TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1a<br>Or<br>TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1b<br>or<br>TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1c<br>Or<br>TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1d | Successful.<br><br>Successful.<br><br>Successful.<br><br>Successful. |

**PROACTIVE COMMAND: POWER OFF CARD 1.2.1**

Logically:

Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Card reader 1

Coding:

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

**TERMINAL RESPONSE: POWER OFF CARD 1.2.1**

Logically:

Command details

Command number: 1  
 Command type: POWER OFF CARD  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1a

Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '01'  
 Card reader removable: 'No'  
 Card reader present: Yes  
 Card reader ID-1 size: 'Yes'  
 Card present in reader: Yes  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 71 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1b

## Logically: Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '01'  
 Card reader removable: 'No'  
 Card reader present: Yes  
 Card reader ID-1 size: 'No'  
 Card present in reader: Yes  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 51 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1c

Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '01'  
 Card reader removable: 'Yes'  
 Card reader present: Yes  
 Card reader ID-1 size: 'Yes'  
 Card present in reader: Yes  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 79 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1d

Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '01'  
 Card reader removable: 'Yes'  
 Card reader present: Yes  
 Card reader ID-1 size: 'No'  
 Card present in reader: Yes  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 59 |    |    |    |    |    |    |    |

**Expected Sequence 1.3 (GET CARD READER STATUS, card reader 1, card not present)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | SIM2            | SIM2 is removed from Terminal card reader  |  |
| 2    | UICC → Terminal | PROACTIVE COMMAND PENDING: GET CARD READER STATUS 1.1.1  |  |
| 3    | Terminal → UICC | FETCH  |  |
| 4    | UICC → Terminal | PROACTIVE COMMAND: GET CARD READER STATUS 1.1.1  | Get Card Reader Status.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1a<br>or<br>TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1b<br>or<br>TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1c<br>or<br>TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1d | Successful.<br><br>Successful.<br><br>Successful.<br><br>Successful. |

**TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1a**

Logically:

Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Card reader status

Identity of card reader: '1'  
 Card reader removable: 'No'  
 Card reader present: Yes  
 Card reader ID-1 size: 'Yes'  
 Card present in reader: No  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 31 |    |    |    |    |    |    |    |

**TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1b**

Logically:

Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: card reader status

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Card reader status

Identity of card reader: '1'  
 Card reader removable: 'No'  
 Card reader present: Yes  
 Card reader ID-1 size: 'No'  
 Card present in reader: No  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 11 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1c

Logically:

Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: card reader status

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Card reader status

Identity of card reader: '1'  
 Card reader removable: 'Yes'  
 Card reader present: Yes  
 Card reader ID-1 size: 'Yes'  
 Card present in reader: No  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 39 |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1d

Logically:

Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: '1'  
 Card reader removable: 'Yes'  
 Card reader present: Yes  
 Card reader ID-1 size: 'No'  
 Card present in reader: No  
 Card powered: No

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 19 |    |    |    |    |    |    |    |

## 27.22.4.20.1.5 Test requirement

The Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

Prior to this test the Terminal shall have powered on the SIM Simulator (SIM2).

The card reader shall be detached from the Terminal.

## 27.22.4.20.2.4.2 Procedure

**Expected Sequence 2.1 (GET CARD READER STATUS, no card reader attached)**

| Step | Direction       | Message/Action   | Comments                   |
|------|-----------------|--|----------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: GET CARD READER STATUS 2.1.1  |                            |
| 2    | Terminal → UICC | FETCH  |                            |
| 3    | UICC → Terminal | PROACTIVE COMMAND: GET CARD READER STATUS 2.1.1  | Get Card Reader Status.    |
| 4    | Terminal → UICC | TERMINAL RESPONSE: GET CARD READER STATUS 2.1.1a<br>or<br>TERMINAL RESPONSE: GET CARD READER STATUS 2.1.1b | Successful.<br>Successful. |

## PROACTIVE COMMAND: GET CARD READER STATUS 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card Reader Status

## Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

## TERMINAL RESPONSE: GET CARD READER STATUS 2.1.1a

Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Card reader status

Identity of card reader: 01  
 Card reader removable: Yes  
 Card reader present: No  
 Card reader ID-1 size: Yes  
 Card present in reader: No  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 29 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: GET CARD READER STATUS 2.1.1b

Logically:

## Command details

Command number: 1  
 Command type: GET CARD READER STATUS  
 Command qualifier: Card reader status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully



## Card reader status

|                          |     |
|--------------------------|-----|
| Identity of card reader: | 01  |
| Card reader removable:   | Yes |
| Card reader present:     | No  |
| Card reader ID-1 size:   | No  |
| Card present in reader:  | No  |
| Card powered:            | No  |

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 33 | 00 | 82 | 02 | 82 | 81 | 83 | 01 |
|          | 00 | A0 | 01 | 09 |    |    |    |    |    |    |    |

## 27.22.4.20.2.5 Test requirement

The Terminal 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 Terminal shall support the TIMER MANAGEMENT as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.21, 6.8, 8.6, 8.7, 8.37 and 8.38.

## 27.22.4.21.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

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

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

The Terminal 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)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.1.1            | Start timer 1.   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.1.1            | Command performed successfully.                          |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.1.2 | After 1 minute following reception of Terminal Response. |
| 6    | Terminal → UICC | FETCH   |  |

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 7    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.1.2            | Ask value of timer 1.                                       |
| 8    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.1.2            | Command performed successfully.                             |
| 9    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.1.3 | Before timer expires!                                       |
| 10   | Terminal → UICC | FETCH   |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.1.3            | Reinitialize timer 1.                                       |
| 12   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.1.3            | Command performed successfully.                             |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.1.4 | After 30 s following reception of the Terminal<br>Response. |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.1.4            | Deactivate timer 1.   |
| 16   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.1.4            | Command performed successfully.                             |

#### PROACTIVE COMMAND: TIMER MANAGEMENT 1.1.1

Logically:

##### Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

##### Device identities

Source device: UICC  
 Destination device: Terminal

##### Timer identifier

Identifier of timer: 1

##### Timer value

Value of timer: 5 min

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 | A5 | 03 | 00 | 50 | 00 |    |    |    |    |    |

#### PROACTIVE COMMAND: TIMER MANAGEMENT 1.1.2

Logically:

##### Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

##### Device identities

Source device: UICC  
 Destination device: Terminal

##### Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.1.3

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 1

## Timer value

Value of timer: 1 min 30 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 | A5 | 03 | 00 | 10 | 03 |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.1.4

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.1.1 and 1.1.3

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.1.2

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 1

## Timer value

Value of timer: value < to the timer value of command 1.1.1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 01 | A5 | 03 | xx | xx | xx |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.1.4

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 1

## Timer value

Value of timer: value < to the timer value of command 1.1.3

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 01 | A5 | 03 | xx | xx | xx |    |    |    |    |

**Expected Sequence 1.2 (TIMER MANAGEMENT, start timer 2 several times, get the current value of the timer and deactivate the timer successfully)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.2.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.2.1            | Start timer 2.   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.2.1            | Command performed successfully.                              |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.2.2 | After 1 minute following reception of Terminal<br>Response.  |
| 6    | Terminal → UICC | FETCH   |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.2.2            | Ask value of timer 2.  |
| 8    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.2.2            | Command performed successfully.                              |
| 9    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.2.3 | Before timer expires!  |
| 10   | Terminal → UICC | FETCH   |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.2.3            | Reinitialize timer 2.  |
| 12   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.2.3            | Command performed successfully.                              |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.2.4 | After 10 seconds following reception of<br>Terminal Response |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.2.4            | Deactivate timer 2.  |
| 16   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.2.4            | Command performed successfully.                              |

PROACTIVE COMMAND:TIMER MANAGEMENT 1.2.1

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

Device identities

Source device: UICC  
 Destination device: Terminal

Timer identifier

Identifier of timer: 2

Timer value

Value of timer: 23 h 59 min 59 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 02 | A5 | 03 | 32 | 95 | 95 |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.2.2

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 2

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 02 |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.2.3

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 2

## Timer value

Value of timer: 1 min 10 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 02 | A5 | 03 | 00 | 10 | 01 |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.2.4

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 2

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 02 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.2.1 and 1.2.3

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 2

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 02 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.2.2

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 2

## Timer value

Value of timer: value &lt; to the timer value of command 1.2.1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 02 | A5 | 03 | xx | xx | xx |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.2.4

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 2

## Timer value

Value of timer: value < to the timer value of command 1.2.3

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 02 | A5 | 03 | xx | xx | xx |    |    |    |    |

**Expected Sequence 1.3 (TIMER MANAGEMENT, start timer 8 several times, get the current value of the timer and deactivate the timer successfully)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.3.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.3.1            | Start timer 8.  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.3.1            | Command performed successfully.                               |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.3.2 | After 1 minute following reception of Terminal<br>Response    |
| 6    | Terminal → UICC | FETCH   |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.3.2            | Ask value of timer 8.   |
| 8    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.3.2            | Command performed successfully.                               |
| 9    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.3.3 | Before timer expires!   |
| 10   | Terminal → UICC | FETCH   |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.3.3            | Reinitialize timer 8.   |
| 12   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.3.3            | Command performed successfully.                               |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.3.4 | After 30 seconds following reception of<br>Terminal Response. |
| 14   | Terminal → UICC | FETCH   |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.3.4            | Deactivate timer 8.   |
| 16   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.3.4            | Command performed successfully.                               |



## PROACTIVE COMMAND:TIMER MANAGEMENT 1.3.1

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 8

## Timer value

Value of timer: 20 min

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 08 | A5 | 03 | 00 | 02 | 00 |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.3.2

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 8

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 08 |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.3.3

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 8

## Timer value

Value of timer: 01 h 00 min 00 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 08 | A5 | 03 | 10 | 00 | 00 |    |    |    |    |    |

PROACTIVE COMMAND: TIMER MANAGEMENT 1.3.4

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

Device identities

Source device: UICC  
 Destination device: Terminal

Timer identifier

Identifier of timer: 8

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 08 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.3.1 and 1.3.3

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Timer identifier

Identifier of timer: 8

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 08 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.3.2

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 8

## Timer value

Value of timer: value < to the timer value of command 1.3.1

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 08 | A5 | 03 | xx | xx | xx |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.3.4

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 8

## Timer value

Value of timer: value < to the timer value of command 1.3.3

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 08 | A5 | 03 | xx | xx | xx |    |    |    |    |

**Expected Sequence 1.4 (TIMER MANAGEMENT, try to get the current value of a timer which is not started: action in contradiction with the current timer state)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.4.1  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.4.1   | Get current value from timer 1.                       |
| 4    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.4.1A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.4.1B | Action in contradiction with the current timer state. |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.4.2  |   |
| 6    | Terminal → UICC | FETCH  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.4.2   | Get current value from timer 2.                       |

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 8    | Terminal → UICC | TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.2A<br>or<br>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.2B | Action in contradiction with the current timer state. |
| 9    | UICC → Terminal | PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.3  |   |
| 10   | Terminal → UICC | FETCH  |   |
| 11   | UICC → Terminal | PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.3  | Get current value from timer 3.                       |
| 12   | Terminal → UICC | TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.3A<br>or<br>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.3B | Action in contradiction with the current timer state. |
| 13   | UICC → Terminal | PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.4  |   |
| 14   | Terminal → UICC | FETCH  |   |
| 15   | UICC → Terminal | PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.4  | Get current value from timer 4.                       |
| 16   | Terminal → UICC | TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.4A<br>or<br>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.4B | Action in contradiction with the current timer state. |
| 17   | UICC → Terminal | PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.5  |   |
| 18   | Terminal → UICC | FETCH  |   |
| 19   | UICC → Terminal | PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.5  | Get current value from timer 5.                       |
| 20   | Terminal → UICC | TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.5A<br>or<br>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.5B | Action in contradiction with the current timer state. |
| 21   | UICC → Terminal | PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.6  |   |
| 22   | Terminal → UICC | FETCH  |   |
| 23   | UICC → Terminal | PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.6  | Get current value from timer 6.                       |
| 24   | Terminal → UICC | TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.6A<br>or<br>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.6B | Action in contradiction with the current timer state. |
| 25   | UICC → Terminal | PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.7  |   |
| 26   | Terminal → UICC | FETCH  |   |
| 27   | UICC → Terminal | PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.7  | Get current value from timer 7.                       |
| 28   | Terminal → UICC | TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.7A<br>or<br>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.7B | Action in contradiction with the current timer state. |
| 29   | UICC → Terminal | PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.8  |   |
| 30   | Terminal → UICC | FETCH  |   |

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 31   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.4.8   | Get current value from timer 8.                          |
| 32   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.4.8A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.4.8B | Action in contradiction with the current timer<br>state. |

PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.1

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

Device identities

Source device: UICC  
 Destination device: Terminal

Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.1A

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Action in contradiction with the current timer state

Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 01 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.1B

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.2

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 2

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 02 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.2A

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 2

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 02 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.2B

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.3

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 3

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 03 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.3A

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 3

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 03 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.3B

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.4

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 4

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 04 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.4A

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 4



Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 04 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.4B

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.5

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 05 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.5A

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 5

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 05 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.5B

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.6

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 6

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 06 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.6A

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 6

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 06 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.6B

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal

Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.7

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

## Device identities

Source device: UICC

Destination device: Terminal

## Timer identifier

Identifier of timer: 7

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 07 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.7A

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Action in contradiction with the current timer state

Timer identifier

Identifier of timer: 7

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 07 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.7B

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Action in contradiction with the current timer state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.8

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get the current value of the Timer

Device identities

Source device: UICC  
 Destination device: Terminal

Timer identifier

Identifier of timer: 8

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 08 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.8A

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 8

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 08 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.8B

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: get current value from the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 02 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

**Expected Sequence 1.5 (TIMER MANAGEMENT, try to deactivate a timer which is not started: action in contradiction with the current timer state)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.5.1  |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.5.1   | Deactivate timer 1.                                      |
| 4    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.1A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.1B | Action in contradiction with the current timer<br>state. |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.5.2  |  |
| 6    | Terminal → UICC | FETCH  |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.5.2   | Deactivate timer 2.                                      |
| 8    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.2A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.2B | Action in contradiction with the current timer<br>state. |
| 9    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.5.3  |  |

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 10   | Terminal → UICC | FETCH  |  |
| 11   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.5.3   | Deactivate timer 3.                                      |
| 12   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.3A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.3B | Action in contradiction with the current timer<br>state. |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.5.4  |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.5.4   | Deactivate timer 4.                                      |
| 16   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.4A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.4B | Action in contradiction with the current timer<br>state. |
| 17   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.5.5  |  |
| 18   | Terminal → UICC | FETCH  |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.5.5   | Deactivate timer 5.                                      |
| 20   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.5A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.5B | Action in contradiction with the current timer<br>state. |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.5.6  |  |
| 22   | Terminal → UICC | FETCH  |  |
| 23   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.5.6   | Deactivate timer 6.                                      |
| 24   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.6A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.6B | Action in contradiction with the current timer<br>state. |
| 25   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.5.7  |  |
| 26   | Terminal → UICC | FETCH  |  |
| 27   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.5.7   | Deactivate timer 7.                                      |
| 28   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.7A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.7B | Action in contradiction with the current timer<br>state. |
| 29   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.5.8  |  |
| 30   | Terminal → UICC | FETCH  |  |
| 31   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.5.8   | Deactivate timer 8.                                      |
| 32   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.8A<br>or<br>TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.5.8B | Action in contradiction with the current timer<br>state. |

PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.1

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

Device identities

Source device: UICC  
 Destination device: Terminal

Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.1A

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Action in contradiction with the current timer state

Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 01 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.1B

Logically:

Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Action in contradiction with the current timer state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.2

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 2

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 02 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.2A

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 2

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 02 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.2B

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC



## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND3: TIMER MANAGEMENT 1.5.3

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 3

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 03 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.3A

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 3

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 03 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.3B

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.4

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 4

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 04 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.4A

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 4

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 04 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.4B

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.5

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 05 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.5A

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 5

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 05 |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.5B

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.6

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 6

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 06 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.6A

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 6

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 06 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.6B

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.7

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 7

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 07 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.7A

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 7

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 07 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.7B

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.8

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: deactivate the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 8

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 08 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.8A

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Timer identifier

Identifier of timer: 8

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|          | A4 | 01 | 08 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.8B

## Logically:

## Command details

Command number: 1  
Command type: TIMER MANAGEMENT  
Command qualifier: Deactivate Timer

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Action in contradiction with the current timer state

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 01 | 82 | 02 | 82 | 81 | 83 | 01 | 24 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## Expected Sequence 1.6 (TIMER MANAGEMENT, start 8 timers successfully)

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.6.1 |                                 |
| 2    | Terminal → UICC | FETCH   |                                 |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.6.1            | Timer 1.                        |
| 4    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.6.1            | Command performed successfully. |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.6.2 |                                 |
| 6    | Terminal → UICC | FETCH   |                                 |
| 7    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.6.2            | Timer 2.                        |
| 8    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.6.2            | Command performed successfully. |
| 9    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.6.3 |                                 |
| 10   | Terminal → UICC | FETCH   |                                 |
| 11   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.6.3            | Timer 3.                        |
| 12   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.6.3            | Command performed successfully. |

| Step | Direction       | Message/Action  | Comments                        |
|------|-----------------|---|---------------------------------|
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.6.4 |                                 |
| 14   | Terminal → UICC | FETCH   |                                 |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.6.4            | Timer 4.                        |
| 16   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.6.4            | Command performed successfully. |
| 17   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.6.5 |                                 |
| 18   | Terminal → UICC | FETCH   |                                 |
| 19   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.6.5            | Timer 5.                        |
| 20   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.6.5            | Command performed successfully. |
| 21   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.6.6 |                                 |
| 22   | Terminal → UICC | FETCH   |                                 |
| 23   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.6.6            | Timer 6.                        |
| 24   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.6.6            | Command performed successfully. |
| 25   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.6.7 |                                 |
| 26   | Terminal → UICC | FETCH   |                                 |
| 27   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.6.7            | Timer 7.                        |
| 28   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.6.7            | Command performed successfully. |
| 29   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 1.6.8 |                                 |
| 30   | Terminal → UICC | FETCH   |                                 |
| 31   | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 1.6.8            | Timer 8.                        |
| 32   | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 1.6.8            | Command performed successfully. |

#### PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.1

Logically:

##### Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

##### Device identities

Source device: UICC  
 Destination device: Terminal

##### Timer identifier

Identifier of timer: 1

##### Timer value

Value of timer: 5 s



Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 | A5 | 03 | 00 | 00 | 50 |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.1

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 01 |    |    |    |    |    |    |    |    |    |

PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.2

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 2

## Timer value

Value of timer: 5 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 02 | A5 | 03 | 00 | 00 | 50 |    |    |    |    |    |

TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.2

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 2

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 02 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.3

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 3

## Timer value

Value of timer: 5 s

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 03 | A5 | 03 | 00 | 00 | 50 |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.3

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 3

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 03 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.4

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 4

## Timer value

Value of timer: 5 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 04 | A5 | 03 | 00 | 00 | 50 |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.4

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 4

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 04 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.5

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 5

## Timer value

Value of timer: 5 s

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 05 | A5 | 03 | 00 | 00 | 50 |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.5

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 5

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 05 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.6

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 6

## Timer value

Value of timer: 5 s

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 06 | A5 | 03 | 00 | 00 | 50 |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.6

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 6

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 06 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.7

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 7

## Timer value

Value of timer: 5 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 07 | A5 | 03 | 00 | 00 | 50 |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.7

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 7

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 07 |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.8

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 8

## Timer value

Value of timer: 5 s

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 08 | A5 | 03 | 00 | 00 | 50 |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.8

## Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 8

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 08 |    |    |    |    |    |    |    |    |    |

## 27.22.4.21.1.5 Test requirement

The Terminal 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 Terminal shall support the ENVELOPE (TIMER EXPIRATION) command as defined in the following technical specifications:

- ETSI TS 102 223 [1], clauses 4.10, 7.4.1 and 7.4.2.
- The Terminal shall support the TIMER MANAGEMENT as defined in the following technical specifications:
- ETSI TS 102 223 [1], clauses 5.2, 6.4.21, 6.8, 8.6, 8.7, 8.37 and 8.38.

### 27.22.4.21.2.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

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

Prior to this test the Terminal 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 Terminal retries periodically to send the envelope, either it waits for a TERMINAL RESPONSE processed by the UICC with status '90 00'.

If the Terminal waits for a TR with status '90 00', the Terminal manufacturer shall specify how many TERMINAL RESPONSES with status '90 00' are expected before sending the TIMER EXPIRATION envelope.

#### 27.22.4.21.2.4.2 Procedure

#### Expected Sequence 2.1 (TIMER EXPIRATION, pending proactive UICC command)

| Step | Direction       | Message/Action  | Comments                         |
|------|-----------------|---|----------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 2.1.1   |                                  |
| 2    | Terminal → UICC | FETCH   |                                  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: TIMER<br>MANAGEMENT 2.1.1  | Timer 1.                         |
| 4    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 2.1.1  | Command performed successfully.  |
| 5    | Terminal → UICC | ENVELOPE: TIMER EXPIRATION<br>2.1.1   |                                  |
| 6    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: MORE TIME X.1(or an<br>other toolkit command tested<br>before to ensure it is properly<br>supported by the Terminal). | Response to envelope is "91 xx". |
| 7    | Terminal → UICC | FETCH   |                                  |

## PROACTIVE COMMAND: TIMER MANAGEMENT 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 1

## Timer value

Value of timer: 0 h 0 min 10 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 | A5 | 03 | 00 | 00 | 01 |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## ENVELOPE: TIMER EXPIRATION 2.1.1

Logically:

## Device identities

Source device: Terminal  
 Destination device: UICC

## Timer identifier

Timer 1

## Timer value

Hour: '00'  
 Minute: '00'  
 Second: '10' ± 1 s



Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D7 | 0C | 82 | 02 | 82 | 81 | A4 | 01 | 01 | A5 | 03 | 00 |
|          | 00 | xx |    |    |    |    |    |    |    |    |    |    |

**Expected Sequence 2.2 (TIMER EXPIRATION, UICC application toolkit busy)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: TIMER<br>MANAGEMENT 2.2.1                      |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>TIMER MANAGEMENT 2.2.1                                 | [timer 1]   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: TIMER<br>MANAGEMENT 2.2.1                                 | [command performed successfully]  |
| 5    | Terminal → UICC | ENVELOPE: TIMER<br>EXPIRATION 2.2.1A   |   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>BUSY   | [UICC is busy; response to the envelope = "93<br>00"]   |
| ...  |                 |  | [UICC is busy during 10 seconds, if the<br>terminal periodically retries to send of the<br>envelope until it is accepted, then step 7a-10a<br>apply. If the terminal does not periodically<br>retry to send the envelope, e.g. it waits for a<br>TERMINAL RESPONSE processed by the<br>UICC with status '90 00', then step 7b - 14b<br>apply]   |
| 7a   | Terminal → UICC | ENVELOPE: TIMER<br>EXPIRATION<br>2.2.1B                                      | [Branch applies for terminals periodically<br>retrying to send the envelope]  |
| 8a   | UICC → Terminal | PROACTIVE UICC SESSION<br>BUSY   | [UICC is busy, response to the envelope = "93<br>00"]   |
| 9a   | Terminal → UICC | ENVELOPE: TIMER<br>EXPIRATION 2.2.1C   |   |
| 10a  | UICC → Terminal | SW1/SW2=90 00  |   |
| 7b   | Terminal → UICC | STATUS or other command  | [Branch applies for terminals not periodically<br>retrying to send the envelope (in compliance<br>with ETSI TS 101 267 [11], clause 10.1)]<br><br>Steps 7b - 12b are repeated maximal 100<br>times (to prevent infinite testing) or until the<br>terminals sends ENVELOPE: TIMER<br>EXPIRATION 2.2.1B in step 13b or at any<br>time during steps 7b - 12b (in latter case step<br>13b is obsolete). |
| 8b   | UICC → Terminal | Response to the command<br>issued in step 7b<br>PROACTIVE COMMAND<br>PENDING | [SW1/SW2=91 xx]   |
| 9b   | Terminal → UICC | FETCH  |   |
| 10b  | UICC → Terminal | PROACTIVE COMMAND: e.g.<br>MORE TIME 2.2.2                                   |   |
| 11b  | Terminal → UICC | TERMINAL RESPONSE: e.g.<br>MORE TIME 2.2.2                                   | [command performed successfully]  |
| 12b  | UICC → Terminal | Response to the command<br>issued in step 11b                                | [SW1/SW2 = 90 00]   |
| 13b  | Terminal → UICC | ENVELOPE: TIMER<br>EXPIRATION 2.2.1B   |   |
| 14b  | UICC → Terminal | SW1/SW2=90 00  |   |

## PROACTIVE COMMAND: TIMER MANAGEMENT 2.2.1

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: UICC  
 Destination device: Terminal

## Timer identifier

Identifier of timer: 1

## Timer value

Value of timer: 0 h 0 min 30 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 11 | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 81 | 82 | A4 |
|          | 01 | 01 | A5 | 03 | 00 | 00 | 03 |    |    |    |    |    |

## TERMINAL RESPONSE: TIMER MANAGEMENT 2.2.1

Logically:

## Command details

Command number: 1  
 Command type: TIMER MANAGEMENT  
 Command qualifier: start the Timer

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Timer identifier

Identifier of timer: 1

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 27 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A4 | 01 | 01 |    |    |    |    |    |    |    |    |    |

## ENVELOPE: TIMER EXPIRATION 2.2.1A

Logically:

## Device identities

Source device: Terminal  
 Destination device: UICC

## Timer identifier

Timer 1

## Timer value

Hour: '00'  
 Minute: '00'  
 Second: '30' ± 1 s

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D7 | 0C | 82 | 02 | 82 | 81 | A4 | 01 | 01 | A5 | 03 | 00 |
|          | 00 | xx |    |    |    |    |    |    |    |    |    |    |

## ENVELOPE: TIMER EXPIRATION 2.2.1B

Logically:

## Device identities

Source device: Terminal  
 Destination device: UICC

## Timer identifier

Timer 1

## Timer value

Hour: '00'  
 Minute: '00'  
 Second:  $\geq$  timer in clause 2.2.1A

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D7 | 0C | 82 | 02 | 82 | 81 | A4 | 01 | 01 | A5 | 03 | 00 |
|          | 00 | xx |    |    |    |    |    |    |    |    |    |    |

## ENVELOPE: TIMER EXPIRATION 2.2.1C

Logically:

## Device identities

Source device: Terminal  
 Destination device: UICC

## Timer identifier

Timer 1

## Timer value

Hour: '00'  
 Minute: '00'  
 Second:  $\geq$  timer in 2.2.1B

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D7 | 0C | 82 | 02 | 82 | 81 | A4 | 01 | 01 | A5 | 03 | 00 |
|          | 00 | xx |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: MORE TIME 2.2.2

Logically:

## Command details

Command number: 1  
 Command type: MORE TIME  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

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

TERMINAL RESPONSE: MORE TIME 2.2.2

Logically:

Command details

Command number: 1  
 Command type: MORE TIME  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.21.2.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 6.4.7 and 6.6.13.

Additionally the Terminal shall support the REFRESH proactive UICC facility as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.1, 6.4.7, 6.6.13, 6.11, 8.6, 8.7, 8.12, 9.4 and 10.

27.22.4.22.1.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal shall have been powered on, performed the PROFILE DOWNLOAD procedure.

27.22.4.22.1.4.2 Procedure

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

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 1.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.1.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.1.1            | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display "Idle Mode Text"                                     |  |

**PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.1**

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

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

Coding:

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

**TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1**

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 1.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.1.1            | Idle Mode Text.                            |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.1.1            |  |
| 5    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 6    | Terminal → USER | Display "Idle Mode Text"                                     |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 1.2.1 | Idle Mode Text.                            |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.2.1            | Idle Mode Text.                            |
| 10   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.2.1            |  |
| 11   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 12   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 13   | Terminal → USER | Display "Toolkit Test"                                       |  |

**PROACTIVE COMMAND: SETUP IDLE MODE TEXT 1.2.1**

Logically:

Command details

Command number: 1  
 Command type: SETUP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: ME

Text String

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

Coding:

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

**TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.2.1**

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

**Expected Sequence 1.3 (SET UP IDLE MODE TEXT, remove idle mode text)**

| Step | Direction       | Message/Action  | Comments                                   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>SET UP IDLE MODE TEXT 1.1.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.1.1           | "Idle Mode Text".                          |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.1.1           |  |
| 5    | USER → Terminal | Select idle screen  | Only if idle screen not already available. |
| 6    | Terminal → USER | Display "Idle Mode Text"                                    |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>SET UP IDLE MODE TEXT 1.3.1   |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.3.1           | Remove idle mode text.                     |
| 10   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.3.1           |  |
| 11   | UICC → Terminal | PROACTIVE UICC SESSION ENDED                                |  |
| 12   | USER → Terminal | Select idle screen  | Only if idle screen not already available. |
| 13   | Terminal → USER | Display idle screen/"Idle Mode Text"<br>not to be displayed |  |

**PROACTIVE COMMAND: SETUP IDLE MODE TEXT 1.3.1**

Logically:

Command details

Command number: 1  
 Command type: SETUP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal  
 Text String: zero length TLV

Coding:

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

**TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.3.1**

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 1.1.1   |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.1.1  | "Idle Mode Text".   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.1.1  | Command performed successfully.   |
| 5    | USER → Terminal | Select idle screen   | Only if idle screen not already available.                                |
| 6    | Terminal → USER | Display "Idle Mode Text"   |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.4.1   |   |
| 8    | Terminal → UICC | FETCH  |   |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.4.1   | Normal priority, wait for user to clear<br>message, unpacked, 8 bit data. |
| 10   | Terminal → USER | Display "Toolkit Test 1"   |   |
| 11   | USER → Terminal | Clear Message  |   |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.4.1   | Command performed successfully.   |
| 13   | Terminal → USER | Display "Idle Mode Text"   |   |
| 14   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: PLAY TONE 1.4.1  |   |
| 15   | Terminal → UICC | FETCH  |   |
| 16   | UICC → Terminal | PROACTIVE COMMAND: PLAY<br>TONE 1.4.1  |   |
| 17   | Terminal → USER | Display "Dial Tone"<br><br>Play a standard supervisory dial<br>tone through the external ringer for<br>a duration of 5 s |   |
| 18   | Terminal → UICC | TERMINAL RESPONSE: PLAY<br>TONE 1.4.1  | Command performed successfully.   |
| 19   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |   |
| 20   | Terminal → USER | Display "Idle Mode Text"   |   |

**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: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: PLAY TONE 1.4.1

Logically:

## Command details

Command number: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: 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: 1  
 Command type: PLAY TONE  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

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

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 1.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.1.1            | "Idle Mode Text".                          |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.1.1            | Command performed successfully.            |
| 5    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 6    | Terminal → USER | Display "Idle Mode Text"                                     |  |
| 7    | USER → Terminal | Power off Terminal   |  |
| 8    | Terminal ↔ UICC | NAA Session TERMINATION<br>PROCEDURE                         |  |
| 9    | USER → Terminal | Power on Terminal  |  |
| 10   | Terminal ↔ UICC | NAA Session ACTIVATION<br>PROCEDURE                          |  |
| 11   | Terminal ↔ UICC | NAA INITIALIZATION   |  |
| 12   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 13   | Terminal → USER | Display idle screen/"Idle Mode<br>Text" not to be displayed  |  |

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

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 1.1.1                       | Idle Mode Text.  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.1.1                                  |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.1.1                                  |  |
| 5    | USER → Terminal | Select idle screen   | Only if idle screen not already available.   |
| 6    | Terminal → USER | Display "Idle Mode Text"   |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: REFRESH 1.6.1  |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>REFRESH 1.6.1  | NAA Initialization.  |
| 10   | Terminal ↔ UICC | NAA INITIALIZATION   |  |
| 11   | USER → Terminal | Select idle screen   | Only if idle screen not already available.   |
| 12   | Terminal → USER | Display idle screen/"Idle Mode<br>Text" not to be displayed                        |  |
| 13   | Terminal → UICC | TERMINAL RESPONSE:<br>REFRESH 1.6.1A<br>or<br>TERMINAL RESPONSE:<br>REFRESH 1.6.1B | Command performed successfully.<br><br>Command performed successfully with<br>additional files read. |
| 14   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED  |  |

## PROACTIVE COMMAND: REFRESH 1.6.1

Logically:

## Command details

Command number: 1  
 Command type: REFRESH  
 Command qualifier: NAA Initialization

## Device identities

Source device: UICC  
 Destination device: Terminal

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: NAA Initialization

## Device identities

Source device: Terminal  
 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: NAA Initialization

## Device identities

Source device: Terminal  
 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)**

| Step | Direction       | Message/Action  | Comments                                   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 1.7.1  | Large text string.                         |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 1.7.1   |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 1.7.1   | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED   |  |
| 6    | USER → Terminal | Select idle screen  | Only if idle screen not already available. |
| 7    | Terminal → USER | Display "The SIM shall supply a<br>text string, which shall be<br>displayed by the ME as an idle<br>mode text if the ME is able to do it.<br>The presentation style is left as an<br>implementation decision to the ME<br>manufacturer. The idle mode text<br>shall be displayed in a manner that<br>ensures that ne" | 274 characters.                            |

**PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.7.1**

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: packed, SMS default alphabet  
 Text: "The SIM shall supply a text string, which shall be displayed by the ME as an idle mode text if the ME is able to do it. The presentation style is left as an implementation decision to the ME manufacturer. The idle mode text shall be displayed in a manner that ensures that ne"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 81 | FD | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 |
|          | 8D | 81 | F1 | 00 | 54 | 74 | 19 | 34 | 4D | 36 | 41 | 73 |
|          | 74 | 98 | CD | 06 | CD | EB | 70 | 38 | 3B | 0F | 0A | 83 |
|          | E8 | 65 | 3C | 1D | 34 | A7 | CB | D3 | EE | 33 | 0B | 74 |
|          | 47 | A7 | C7 | 68 | D0 | 1C | 1D | 66 | B3 | 41 | E2 | 32 |
|          | 88 | 9C | 9E | C3 | D9 | E1 | 7C | 99 | 0C | 12 | E7 | 41 |
|          | 74 | 74 | 19 | D4 | 2C | 82 | C2 | 73 | 50 | D8 | 0D | 4A |
|          | 93 | D9 | 65 | 50 | FB | 4D | 2E | 83 | E8 | 65 | 3C | 1D |
|          | 94 | 36 | 83 | E8 | E8 | 32 | A8 | 59 | 04 | A5 | E7 | A0 |
|          | B0 | 98 | 5D | 06 | D1 | DF | 20 | F2 | 1B | 94 | A6 | BB |
|          | A8 | E8 | 32 | 08 | 2E | 2F | CF | CB | 6E | 7A | 98 | 9E |
|          | 7E | BB | 41 | 73 | 7A | 9E | 5D | 06 | A5 | E7 | 20 | 76 |
|          | D9 | 4C | 07 | 85 | E7 | A0 | B0 | 1B | 94 | 6E | C3 | D9 |
|          | E5 | 76 | D9 | 4D | 0F | D3 | D3 | 6F | 37 | 88 | 5C | 1E |
|          | A7 | E7 | E9 | B7 | 1B | 44 | 7F | 83 | E8 | E8 | 32 | A8 |
|          | 59 | 04 | B5 | C3 | EE | BA | 39 | 3C | A6 | D7 | E5 | 65 |
|          | B9 | 0B | 44 | 45 | 97 | 41 | 69 | 32 | BB | 0C | 6A | BF |
|          | C9 | 65 | 10 | BD | 8C | A7 | 83 | E6 | E8 | 30 | 9B | 0D |
|          | 12 | 97 | 41 | E4 | F4 | 1C | CE | 0E | E7 | CB | 64 | 50 |
|          | DA | 0D | 0A | 83 | DA | 61 | B7 | BB | 2C | 07 | D1 | D1 |
|          | 61 | 3A | A8 | EC | 9E | D7 | E5 | E5 | 39 | 88 | 8E | 0E |
|          | D3 | 41 | EE | 32 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.7.1

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command q qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.22.1.5 Test requirement

The Terminal 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 Terminal text and/or icon passed to the Terminal is displayed by the Terminal 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 Terminal 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 Terminal 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 Terminal 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 Terminal shall reject the command with general result "Command data not understood by Terminal".

27.22.4.22.2.4 Method of test

27.22.4.22.2.4.1 Initial conditions

The Terminal is connected to both the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

27.22.4.22.2.4.2 Procedure

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

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 2.1.1 | Icon is self-explanatory.                  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 2.1.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 2.1.1A           | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display the icon   |  |

**PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.1.1**

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal  
 Text String: "Idle text"

Icon identifier

Icon qualifier: icon is self-explanatory  
 Icon identifier: <record 1 in EF IMG>

Coding:

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

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.1.1A

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

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

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE TEXT 2.1.1 | Icon is self-explanatory.  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.1.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.1.1B           | Command performed successfully, but requested icon could not be displayed. |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION ENDED                              |  |
| 6    | USER → Terminal | Select idle screen  | Only if idle screen not already available.                                 |
| 7    | Terminal → USER | Display "Idle text" without the icon                      |  |

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.1.1B

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

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

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

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 2.2.1 | Icon is not self-explanatory.              |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 2.2.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 2.2.1A           | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display icon #1 and "Idle text"                              |  |

**PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.2.1**

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal  
 Text String: "Idle text"

Icon identifier

Icon qualifier: icon is not self-explanatory  
 Icon identifier: <record 1 in EF IMG>

Coding:

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

**TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.2.1A**

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully



Coding:

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

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

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 2.2.1 | Icon is not self-explanatory.   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 2.2.1            |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 2.2.1B           | Command performed successfully, but<br>requested icon could not be displayed. |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |   |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available.                                    |
| 7    | Terminal → USER | Display "Idle text" without the icon                         |   |

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.2.1B

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

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

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

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 2.3.1 | Icon is self-explanatory.                  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 2.3.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 2.3.1A           | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display the icon   |  |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.3.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal  
 Text String: "Idle text"

## Icon identifier

Icon qualifier: icon is self-explanatory  
 Icon identifier: <record 2 in EF IMG>

Coding:

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

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.3.1A

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

**Expected Sequence 2.3B (SET UP IDLE MODE TEXT, Icon is self-explanatory, colour icon, requested icon could not be displayed)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 2.3.1 | Icon is self-explanatory.                  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 2.3.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 2.3.1B           | Requested icon could not be displayed.     |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display 'Idle text' without the icon                         |  |

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.3.1B

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

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

Coding:

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

**Expected Sequence 2.4 (SET UP IDLE MODE TEXT, Icon is not self-explanatory, empty text string)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE TEXT 2.4.1 | Icon is not self-explanatory, empty text string. |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.4.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.4.1            |  |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION ENDED                              |  |

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.4.1

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal

Text string

Contents: null data object

Icon identifier

Icon qualifier: icon is not self-explanatory  
 Icon identifier: <record 1 in EF IMG>

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0F | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 00 | 9E | 02 | 01 | 01 |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.4.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command data not understood by Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 32 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## 27.22.4.22.2.5 Test requirement

The Terminal 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 display in Cyrillic)

## 27.22.4.22.3.1 Definition and applicability

See clause 3.2.2.

## 27.22.4.22.3.2 Conformance requirement

The Terminal shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [2].

## 27.22.4.22.3.3 Test purpose

To verify that the UCS2 coded text string is displayed by the Terminal as an idle mode text.

## 27.22.4.22.3.4 Method of test

## 27.22.4.22.3.4.1 Initial conditions

The Terminal is connected to both the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

## 27.22.4.22.3.4.2 Procedure

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

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 3.1.1 | "Hello" in Russian.                        |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 3.1.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 3.1.1            |  |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |

| Step | Direction       | Message/Action         | Comments            |
|------|-----------------|------------------------|---------------------|
| 7    | Terminal → USER | Display "ЗДРАВСТВУЙТЕ" | "Hello" in Russian. |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 3.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 24 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 19 | 08 | 04 | 17 | 04 | 14 | 04 | 20 | 04 | 10 | 04 | 12 |
|          | 04 | 21 | 04 | 22 | 04 | 12 | 04 | 23 | 04 | 19 | 04 | 22 |
|          | 04 | 15 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 3.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.22.3.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.1.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.1.1 | Idle Mode Text.  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.1.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.1.1            | Command performed successfully.  |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available.   |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with left alignment.   |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.1.2 | Idle Mode Text.  |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.1.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.1.1            | Command performed successfully.  |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available  |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Message shall be formatted without left alignment. Remark: If left alignment is the Terminal's default alignment as declared in table A.2/15, no alignment change will take place. |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.1.2

## Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.1.1

## Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## 27.22.4.22.4.1.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.2.3 Test purpose

To verify that the text passed to the Terminal is displayed as idle mode text according to the center alignment text attribute configuration.

## 27.22.4.22.4.2.4 Method of test

## 27.22.4.22.4.2.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

## 27.22.4.22.4.2.4.2 Procedure

**Expected Sequence 4.2 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute - Center Alignment)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.2.1 | Idle Mode Text.  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.2.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.2.1            | Command performed successfully.  |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available.   |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with center alignment.   |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.2.2 | Idle Mode Text.  |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.2.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.2.1            | Command performed successfully.  |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available  |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Message shall be formatted without center alignment. Remark: If center alignment is the Terminal's default alignment as declared in table A.2/15, no alignment change will take place. |



## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.2.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 01 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.2.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.2.1

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.22.4.2.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

27.22.4.22.4.3.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.3.1 | Idle Mode Text.  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.3.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.3.1            | Command performed successfully.  |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available.   |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with right alignment.  |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.3.2 | Idle Mode Text.  |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.3.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.3.1            | Command performed successfully.  |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available  |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Message shall be formatted without right alignment. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/15, no alignment change will take place. |

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.3.1

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 02 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.3.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.3.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.22.4.3.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.4.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.4.1 | Idle Mode Text.                            |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.4.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.4.1            | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with large font size.    |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.4.2 | Idle Mode Text.                            |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.4.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.4.1            | Command performed successfully.            |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available  |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Text is displayed with normal font size.   |
| 15   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.4.1 | Idle Mode Text.                            |
| 16   | Terminal → UICC | FETCH  |  |
| 17   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.4.1            |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.4.1            | Command performed successfully.            |
| 19   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 20   | USER → Terminal | Select idle screen   | Only if idle screen not already available  |
| 21   | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with large font size.    |
| 22   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.4.3 | Idle Mode Text.                            |
| 23   | Terminal → UICC | FETCH  |  |
| 24   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.4.3            |  |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.4.1            | Command performed successfully.            |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 27   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 28   | Terminal → USER | Display "Idle Mode Text 3"                                   | Text is displayed with normal font size.   |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.4.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 04 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.4.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.4.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 33 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.4.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.22.4.4.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.5.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.5.1 | Idle Mode Text.                            |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.5.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.5.1            | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with small font size.    |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.5.2 | Idle Mode Text.                            |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.5.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.5.1            | Command performed successfully.            |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Text is displayed with normal font size.   |
| 15   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.5.1 | Idle Mode Text.                            |
| 16   | Terminal → UICC | FETCH  |  |
| 17   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.5.1            |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.5.1            | Command performed successfully.            |
| 19   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 20   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 21   | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with small font size.    |
| 22   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.5.3 | Idle Mode Text.                            |
| 23   | Terminal → UICC | FETCH  |  |
| 24   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.5.3            |  |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.5.1            | Command performed successfully.            |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 27   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 28   | Terminal → USER | Display "Idle Mode Text" 3                                   | Text is displayed with normal font size.   |



## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.5.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 08 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.5.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.5.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 33 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.5.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.22.4.5.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.6.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.6.1 | Idle Mode Text.                            |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.6.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.6.1            | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available  |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with bold on.            |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.6.2 | Idle Mode Text.                            |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.6.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.6.1            | Command performed successfully.            |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Text is displayed with bold off.           |
| 15   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.6.1 | Idle Mode Text.                            |
| 16   | Terminal → UICC | FETCH  |  |
| 17   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.6.1            |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.6.1            | Command performed successfully.            |
| 19   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 20   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 21   | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with bold on.            |
| 22   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.6.3 | Idle Mode Text.                            |
| 23   | Terminal → UICC | FETCH  |  |
| 24   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.6.3            |  |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.6.1            | Command performed successfully.            |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 27   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 28   | Terminal → USER | Display "Idle Mode Text 3"                                   | Text is displayed with bold off.           |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.6.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 10 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.6.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.6.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 33 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.6.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.22.4.6.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.7.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.7.1 | Idle Mode Text.                            |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.7.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.7.1            | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with italic on.          |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.7.2 | Idle Mode Text.                            |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.7.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.7.1            | Command performed successfully.            |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Text is displayed with italic off.         |
| 15   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.7.1 | Idle Mode Text.                            |
| 16   | Terminal → UICC | FETCH  |  |
| 17   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.7.1            |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.7.1            | Command performed successfully.            |
| 19   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 20   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 21   | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with italic on.          |
| 22   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.7.3 | Idle Mode Text.                            |
| 23   | Terminal → UICC | FETCH  |  |
| 24   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.7.3            |  |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.7.1            | Command performed successfully.            |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 27   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 28   | Terminal → USER | Display "Idle Mode Text 3"                                   | Text is displayed with italic off.         |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.7.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 20 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.7.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.7.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 33 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.7.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.22.4.7.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.8.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.8.1 | Idle Mode Text.                            |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.8.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.8.1            | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with underline on.       |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.8.2 | Idle Mode Text.                            |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.8.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.8.1            | Command performed successfully.            |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Text is displayed with underline off.      |
| 15   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.8.1 | Idle Mode Text.                            |
| 16   | Terminal → UICC | FETCH  |  |
| 17   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.8.1            |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.8.1            | Command performed successfully.            |
| 19   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 20   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 21   | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with underline on.       |
| 22   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.8.3 | Idle Mode Text.                            |
| 23   | Terminal → UICC | FETCH  |  |
| 24   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.8.3            |  |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.8.1            | Command performed successfully.            |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 27   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 28   | Terminal → USER | Display "Idle Mode Text 3"                                   | Text is displayed with underline off.      |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.8.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 40 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.8.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.8.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 33 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.8.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.22.4.8.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.9.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.9.1 | Idle Mode Text.                            |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.9.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.9.1            | Command performed successfully.            |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with strikethrough on.   |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.9.2 | Idle Mode Text.                            |
| 9    | Terminal → UICC | FETCH  |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.9.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.9.1            | Command performed successfully.            |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 13   | USER → Terminal | Select idle screen   | Only if idle screen not already available  |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                   | Text is displayed with strikethrough off.  |
| 15   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.9.1 | Idle Mode Text.                            |
| 16   | Terminal → UICC | FETCH  |  |
| 17   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.9.1            |  |
| 18   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.9.1            | Command performed successfully.            |
| 19   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 20   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 21   | Terminal → USER | Display "Idle Mode Text 1"                                   | Text is displayed with strikethrough on.   |
| 22   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.9.3 | Idle Mode Text.                            |
| 23   | Terminal → UICC | FETCH  |  |
| 24   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.9.3            |  |
| 25   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.9.1            | Command performed successfully.            |
| 26   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 27   | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 28   | Terminal → USER | Display "Idle Mode Text" 3                                   | Text is displayed with strikethrough off.  |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 80 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.2

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.3

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 3"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 33 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## 27.22.4.22.4.9.5 Test requirement

The Terminal 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

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.22, 6.6.22, 6.4.16, 6.6.16, 7.5.6, 6.8, 7.5, 7.5.1, 8.25, 8.70, 6.4.7 and 6.6.13.

## 27.22.4.22.4.10.3 Test purpose

To verify that the text passed to the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.10.1 | Idle Mode Text.  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.10.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.10.1            | Command performed successfully.  |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                               |  |
| 6    | USER → Terminal | Select idle screen  | Only if idle screen not already available  |
| 7    | Terminal → USER | Display "Idle Mode Text 1"                                    | Text is displayed with foreground and<br>background colour according to the text<br>attribute configuration. |
| 8    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 4.10.2 | Idle Mode Text.  |
| 9    | Terminal → UICC | FETCH   |  |
| 10   | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 4.10.2            |  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 4.10.1            | Command performed successfully.  |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                               |  |
| 13   | USER → Terminal | Select idle screen  | Only if idle screen not already available.   |
| 14   | Terminal → USER | Display "Idle Mode Text 2"                                    | Text is displayed with Terminal's default<br>foreground and background colour.                               |

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.10.1

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 1"

## 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 | 22 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 31 | D0 | 04 | 00 | 10 | 00 | B4 |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.10.2

## Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

Data coding scheme: unpacked, 8 bit data  
 Text: "Idle Mode Text 2"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1C | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 11 | 04 | 49 | 64 | 6C | 65 | 20 | 4D | 6F | 64 | 65 | 20 |
|          | 54 | 65 | 78 | 74 | 20 | 32 |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.10.1

## Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## 27.22.4.22.4.10.5 Test requirement

The Terminal 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

The Terminal shall support the UCS2 facility for the coding of the Chinese character, as defined in:

- ISO/IEC 10646 [2].

## 27.22.4.22.5.3 Test purpose

To verify that the UCS2 coded text string is displayed by the Terminal 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 UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

## 27.22.4.22.5.4.2 Procedure

**Expected Sequence 5.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Chinese)**

| Step | Direction       | Message/Action   | Comments                                  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 5.1.1 | "Hello" in Chinese.                       |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 5.1.1            |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 5.1.1            |   |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |   |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available |
| 7    | Terminal → USER | Display "你好"   | "Hello" in Chinese.                       |

## PROACTIVE COMMAND: SET UP IDLE MODE TEXT 5.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Text String

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

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 10 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 05 | 08 | 4F | 60 | 59 | 7D |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP IDLE MODE TEXT 5.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.22.5.5 Test requirement

The Terminal 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

The Terminal shall support the UCS2 facility for the coding of the Katakana character, as defined in:

- ISO/IEC 10646 [2].

27.22.4.22.6.3 Test purpose

To verify that the UCS2 coded text string is displayed by the Terminal as an idle mode text.

27.22.4.22.6.4 Method of test

27.22.4.22.6.4.1 Initial conditions

The Terminal is connected to both the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

27.22.4.22.6.4.2 Procedure

**Expected Sequence 6.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Katakana)**

| Step | Direction       | Message/Action   | Comments                                   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP IDLE MODE<br>TEXT 6.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>IDLE MODE TEXT 6.1.1            |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>IDLE MODE TEXT 6.1.1            |  |
| 5    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              |  |
| 6    | USER → Terminal | Select idle screen   | Only if idle screen not already available. |
| 7    | Terminal → USER | Display "80ル0"   | Characters in Katakana.                    |

PROACTIVE COMMAND: SET UP IDLE MODE TEXT 6.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal

Text String

Data coding scheme: UCS2 (16bit)  
 Text: "80ル0"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 28 | 00 | 82 | 02 | 81 | 82 | 8D |
|          | 09 | 08 | 00 | 38 | 00 | 30 | 30 | EB | 00 | 30 |    |    |

TERMINAL RESPONSE: SET UP IDLE MODE TEXT 6.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP IDLE MODE TEXT  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.22.6.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, clause 8.2, 8.40, 8.31 and 8.41.
- ETSI TS 127 007 [6].

##### 27.22.4.23.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID)

| Step | Direction         | Message/Action   | Comments   |
|------|-------------------|--|--|
| 1    | UICC → Terminal   | PROACTIVE COMMAND PENDING: RUN AT COMMAND 1.1.1                            |  |
| 2    | Terminal → UICC   | FETCH  |  |
| 3    | UICC → Terminal   | PROACTIVE COMMAND: RUN AT COMMAND 1.1.1                                    | No alpha identifier, request Terminal Manufacturer ID.   |
| 4    | Terminal (→ User) | The Terminal may give information to the user concerning what is happening |  |
| 5    | Terminal → UICC   | TERMINAL RESPONSE: RUN AT COMMAND 1.1.1                                    | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |

#### PROACTIVE UICC COMMAND: RUN AT COMMAND 1.1.1

Logically:

##### Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Terminal

## AT Command

AT Command string: "AT+CGMI"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | A8 |
|          | 07 | 41 | 54 | 2B | 43 | 47 | 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: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## AT Response

AT Response string: Terminal Manufacture ID

## Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

**Expected Sequence 1.2 (RUN AT COMMAND, null data alpha identifier presented, request Terminal Manufacturer ID)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>1.2.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 1.2.1  | Null data alpha identifier, request Terminal<br>Manufacturer ID.   |
| 4    | Terminal        | The Terminal should not give any<br>information to user on the fact that<br>the Terminal is performing an AT<br>command |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 1.1.1  | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |

## 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: Terminal

Alpha Identifier null data object

AT Command  
AT Command string: "AT+CGMI"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 14 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 00 | A8 | 07 | 41 | 54 | 2B | 43 | 47 | 4D | 49 |    |    |

### Expected Sequence 1.3 (RUN AT COMMAND, alpha identifier presented, request Terminal Manufacturer ID)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>1.3.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 1.3.1            | Alpha identifier, request Terminal<br>Manufacturer ID.   |
| 4    | Terminal → USER | Display "Run AT Command"                              |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 1.1.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |

#### 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: Terminal

##### Alpha Identifier

Alpha Identifier "Run AT Command"

##### AT Command

AT Command string: "AT+CGMI"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 22 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 0E | 52 | 75 | 6E | 20 | 41 | 54 | 20 | 43 | 6F | 6D | 6D |
|          | 61 | 6E | 64 | A8 | 07 | 41 | 54 | 2B | 43 | 47 | 4D | 49 |

#### 27.22.4.23.1.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31 and 8.41.

- ETSI TS 127 007 [6].

#### 27.22.4.23.2.3 Test purpose

To verify that the Terminal 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 Terminal 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 Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

The Terminal 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 Terminal Manufacturer ID, successful)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>2.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 2.1.1            | BASIC-ICON, self-explanatory, request<br>Terminal Manufacturer ID.   |
| 4    | Terminal → USER | Display BASIC ICON without the<br>alpha identifier    |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 2.1.1A           | Command performed successfully, AT<br>response containing Terminal Manufacturer<br>ID as stated in A.2/28. |

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: Terminal

Alpha Identifier

Alpha identifier: "Basic Icon"

AT Command

AT Command string: "AT+CGMI"

Icon identifier:

Icon qualifier: icon is self-explanatory  
Icon identifier: record 1 in EF<sub>(IMG)</sub>

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 | 47 | 4D | 49 | 9E | 02 | 00 | 01 |

TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

**Expected Sequence 2.1B (RUN AT COMMAND, basic icon self explanatory, request Terminal Manufacturer ID, requested icon could not be displayed)**

| Step | Direction       | Message/Action                                  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 2.1.1         | BASIC-ICON, self-explanatory, request Terminal Manufacturer ID.   |
| 4    | Terminal → USER | Display 'Basic Icon' without the BASIC-ICON     |   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 2.1.1B        | Command performed but requested icon could not be displayed, AT response containing Terminal Manufacturer ID as stated in A.2/28. |

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: Terminal  
 Destination device: UICC



Result

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

AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 04 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

**Expected Sequence 2.2A (RUN AT COMMAND, colour icon self explanatory, request Terminal Manufacturer ID, successful)**

| Step | Direction       | Message/Action                                     | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND 2.2.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 2.2.1            | COLOUR-ICON, self-explanatory, request Terminal Manufacturer ID.                                     |
| 4    | Terminal → USER | Display COLOUR-ICON without the alpha identifier   |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A           | Command performed successfully, AT response containing Terminal Manufacturer ID as stated in A.2/28. |

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: Terminal

Alpha Identifier

Alpha identifier: "Colour Icon"

AT Command

AT Command string: "AT+CGMI"

Icon identifier:

Icon qualifier: icon is self-explanatory  
 Icon identifier: record 2 in EF<sub>(IMG)</sub>

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 | 47 | 4D | 49 | 9E | 02 | 00 |
|          | 02 |    |    |    |    |    |    |    |    |    |    |    |

**Expected Sequence 2.2B (RUN AT COMMAND, colour icon self explanatory, request Terminal Manufacturer ID, requested icon could not be displayed)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>2.2.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 2.2.1            | COLOUR-ICON, self-explanatory, request<br>Terminal Manufacturer ID.  |
| 4    | Terminal → USER | Display 'Colour Icon' without the<br>COLOUR-ICON      |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 2.1.1B           | Command performed but requested icon<br>could not be displayed, AT response<br>containing Terminal Manufacturer ID as stated<br>in A.2/28. |

**Expected Sequence 2.3A (RUN AT COMMAND, basic icon non self-explanatory, request Terminal Manufacturer ID, successful)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>2.3.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 2.3.1            | BASIC-ICON, non self-explanatory, request<br>Terminal Manufacturer ID.                                     |
| 4    | Terminal → USER | Display "Basic Icon" and<br>BASIC-ICON                |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 2.1.1A           | Command performed successfully, AT<br>response containing Terminal Manufacturer<br>ID as stated in A.2/28. |

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: Terminal

Alpha Identifier

Alpha identifier: "Basic Icon"

AT Command

AT Command string: "AT+CGMI"

Icon identifier

Icon qualifier: icon is non self-explanatory  
 Icon identifier: record 1 in EF<sub>(IMG)</sub>

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 | 47 | 4D | 49 | 9E | 02 | 01 | 01 |

**Expected Sequence 2.3B (RUN AT COMMAND, basic icon non self-explanatory, request Terminal Manufacturer ID, requested icon could not be displayed)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>2.3.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 2.3.1            | BASIC-ICON, non self-explanatory, request<br>Terminal Manufacturer ID.   |
| 4    | Terminal → USER | Display "Basic Icon" without<br>BASIC-ICON            |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 2.1.1B           | Command performed but requested icon<br>could not be displayed, AT response<br>containing Terminal Manufacturer ID as stated<br>in A.2/28. |

**Expected Sequence 2.4A (RUN AT COMMAND, colour icon non self-explanatory, request Terminal Manufacturer ID, successful)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>2.4.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 2.4.1            | COLOUR-ICON, non self-explanatory,<br>request Terminal Manufacturer ID.                                    |
| 4    | Terminal → USER | Display "Colour Icon" and<br>COLOUR-ICON              |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 2.1.1A           | Command performed successfully, AT<br>response containing Terminal Manufacturer<br>ID as stated in A.2/28. |

PROACTIVE COMMAND: RUN AT COMMAND 2.4.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Alpha Identifier

Alpha identifier: "Colour Icon"

AT Command

AT Command string: "AT+CGMI"

Icon identifier:

Icon qualifier: icon is self-explanatory  
 Icon identifier: record 2 in EF<sub>(IMG)</sub>

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 | 47 | 4D | 49 | 9E | 02 | 01 |
|          | 02 |    |    |    |    |    |    |    |    |    |    |    |

**Expected Sequence 2.4B (RUN AT COMMAND, colour icon non self-explanatory, request Terminal Manufacturer ID, requested icon could not be displayed)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>2.4.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 2.4.1            | COLOUR-ICON, non self-explanatory,<br>request Terminal Manufacturer ID.  |
| 4    | Terminal → USER | Display "Colour Icon" without<br>COLOUR-ICON          |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 2.1.1B           | Command performed but requested icon<br>could not be displayed, AT response<br>containing Terminal Manufacturer ID as stated<br>in A.2/28. |

**Expected Sequence 2.5 (RUN AT COMMAND, basic icon non self-explanatory, no alpha identifier presented)**

| Step | Direction       | Message/Action  | Comments                                 |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>2.5.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 2.5.1            | BASIC-ICON, non self-explanatory.        |
| 4    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 2.5.1            | Command data not understood by Terminal. |

PROACTIVE COMMAND: RUN AT COMMAND 2.5.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

AT Command

AT Command string: "AT+CGMI"

Icon identifier

Icon qualifier: icon is non self-explanatory  
 Icon identifier: record 1 in EF<sub>(IMG)</sub>

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 16 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | A8 |
|          | 07 | 41 | 54 | 2B | 43 | 47 | 4D | 49 | 9E | 02 | 01 | 01 |

TERMINAL RESPONSE: RUN AT COMMAND 2.5.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Result

General Result: Command data not understood by Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 32 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

27.22.4.23.2.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

27.22.4.23.3.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Left Alignment)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.1.1            |  |
| 4    | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with left alignment, request Terminal Manufacturer ID.   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.1.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.1.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.1.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                            | Message shall be formatted without left alignment, request Terminal Manufacturer ID. Remark: If left alignment is the Terminal's default alignment as declared in table A.2/16, no alignment change will take place. |
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.1.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28.   |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>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: Terminal

## Alpha Identifier

Alpha Identifier "Run AT Command 1"

## AT Command

AT Command string: "AT+CGMI"

## Text Attribute

Formatting position: 0  
 Formatting length: 16  
 Formatting mode: Right Alignment, Normal Font, Bold Off, Italic Off, Underline 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 | 47 |
|          | 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: Terminal

## Alpha Identifier

Alpha Identifier "Run AT Command 2"

## AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: RUN AT COMMAND 3.1.1

Logically:

## Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

## 27.22.4.23.3.1.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

27.22.4.23.3.2.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Center Alignment)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.2.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.2.1            | .  |
| 4    | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with center alignment, request Terminal Manufacturer ID  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.2.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.2.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.2.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                            | Message shall be formatted without center alignment, request Terminal Manufacturer ID. Remark: If center alignment is the Terminal's default alignment as declared in table A.2/16, no alignment change will take place. |



| Step | Direction       | Message/Action                          | Comments   |
|------|-----------------|---|--|
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.2.1 | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 12   | UICC → Terminal | 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: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 | D0 | 04 | 00 | 10 | 01 | B4 |    |    |    |    |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.2.2

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 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: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

27.22.4.23.3.2.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

27.22.4.23.3.3.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal shall be connected to the TE.

The TA-TE interface is set to 8-bit operation.

#### 27.22.4.23.3.4.2 Procedure

#### Expected Sequence 3.3 (RUN AT COMMAND, with alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Right Alignment)

| Step | Direction         | Message/Action                                  | Comments   |
|------|-------------------|---|--|
| 1    | UICC → Terminal   | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.3.1 |  |
| 2    | Terminal → UICC   | FETCH   |  |
| 3    | UICC → Terminal   | PROACTIVE COMMAND: RUN AT COMMAND 3.3.1         |  |
| 4    | Terminal → USER   | Display "Run AT Command 1"                      | Alpha identifier is displayed with right alignment, request Terminal Manufacturer ID.  |
| 5    | Terminal → UICC   | TERMINAL RESPONSE: RUN AT COMMAND 3.3.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28.   |
| 6    | UICC → Terminal   | PROACTIVE UICC SESSION ENDED                    |  |
| 7    | UICC → Terminal   | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.3.2 |  |
| 8    | Terminal → UICC   | FETCH   |  |
| 9    | UICC → Terminal   | PROACTIVE COMMAND: RUN AT COMMAND 3.3.2         |  |
| 10   | Terminal (→ USER) | Display "Run AT Command 2"                      | Message shall be formatted without right alignment, request Terminal Manufacturer ID. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/16, no alignment change will take place. |
| 11   | Terminal → UICC   | TERMINAL RESPONSE: RUN AT COMMAND 3.3.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28.   |
| 12   | UICC → Terminal   | 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: Terminal

##### Alpha Identifier

Alpha Identifier "Run AT Command 1"

##### AT Command

AT Command string: "AT+CGMI"

##### 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 | 47 |
|          | 4D | 49 | D0 | 04 | 00 | 10 | 02 | B4 |    |    |    |    |

#### 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: Terminal

##### Alpha Identifier

Alpha Identifier "Run AT Command 2"

##### AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 |    |    |    |    |    |    |    |    |    |    |

#### TERMINAL RESPONSE: RUN AT COMMAND 3.3.1

Logically:

##### Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

##### Device identities

Source device: Terminal  
 Destination device: UICC

##### Result

General Result: Command performed successfully

##### AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

## 27.22.4.23.3.3.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

## 27.22.4.23.3.4.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Large Font Size)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.4.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.4.1            |  |
| 4    | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with large font size, request Terminal Manufacturer ID.                |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.4.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.4.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.4.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                            | Alpha identifier is displayed with normal font size, request Terminal Manufacturer ID.               |

| Step | Direction       | Message/Action                                  | Comments   |
|------|-----------------|---|--|
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.4.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION ENDED                    |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 3.4.1         | .  |
| 16   | Terminal → USER | Display "Run AT Command 1"                      | Alpha identifier is displayed with large font size, request Terminal Manufacturer ID                 |
| 17   | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.4.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION ENDED                    |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 3.4.3         |  |
| 22   | Terminal → USER | Display "Run AT Command 3"                      | Alpha identifier is displayed with normal font size, request Terminal Manufacturer ID.               |
| 23   | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.4.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION ENDED                    |  |

#### PROACTIVE UICC COMMAND: RUN AT COMMAND 3.4.1

Logically:

##### Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

##### Device identities

Source device: UICC  
 Destination device: Terminal

##### Alpha Identifier

Alpha Identifier "Run AT Command 1"

##### AT Command

AT Command string: "AT+CGMI"

##### 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 | 47 |
|          | 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: Terminal

## Alpha Identifier

Alpha Identifier "Run AT Command 2"

## AT Command

AT Command string: "AT+CGMI"

## 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 | 47 |
|          | 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: Terminal

## Alpha Identifier

Alpha Identifier "Run AT Command 3"

## AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: RUN AT COMMAND 3.4.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

27.22.4.23.3.4.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

27.22.4.23.3.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.



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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Small Font Size)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.5.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.5.1            |  |
| 4    | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with small font<br>size, request Terminal Manufacturer ID.                   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.5.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.5.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.5.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                            | Alpha identifier is displayed with normal font<br>size, request Terminal Manufacturer ID.                  |
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.5.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.5.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.5.1            |  |
| 16   | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with small font<br>size, request Terminal Manufacturer ID.                   |
| 17   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.5.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.5.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.5.3            |  |
| 22   | Terminal → USER | Display "Run AT Command 3"                            | Alpha identifier is displayed with normal font<br>size, request Terminal Manufacturer ID.                  |
| 23   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.5.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 | D0 | 04 | 00 | 10 | 08 | B4 |    |    |    |    |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.2

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.3

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: RUN AT COMMAND 3.5.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

27.22.4.23.3.5.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

## 27.22.4.23.3.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Bold On)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.6.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.6.1            |  |
| 4    | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with bold on,<br>request Terminal Manufacturer ID.                           |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.6.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.6.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.6.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                            | Alpha identifier is displayed with bold off,<br>request Terminal Manufacturer ID.                          |
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.6.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.6.1 |  |
| 14   | Terminal → UICC | FETCH   |  |

| Step | Direction       | Message/Action                                  | Comments   |
|------|-----------------|---|--|
| 15   | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 3.6.1         |  |
| 16   | Terminal → USER | Display "Run AT Command 1"                      | Alpha identifier is displayed with bold on, request Terminal Manufacturer ID.                        |
| 17   | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.6.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION ENDED                    |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 3.6.3         |  |
| 22   | Terminal → USER | Display "Run AT Command 3"                      | Alpha identifier is displayed with bold off, request Terminal Manufacturer ID.                       |
| 23   | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.6.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION ENDED                    |  |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.6.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 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: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 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: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: RUN AT COMMAND 3.6.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

27.22.4.23.3.6.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

27.22.4.23.3.7.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Italic On)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.7.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.7.1            |  |
| 4    | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with italic on,<br>request Terminal Manufacturer ID.                         |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.7.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.7.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.7.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                            | Alpha identifier is displayed with italic off,<br>request Terminal Manufacturer ID.                        |
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.7.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.7.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.7.1            |  |
| 16   | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with italic on,<br>request Terminal Manufacturer ID.                         |
| 17   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.7.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.7.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.7.3            |  |
| 22   | Terminal → USER | Display "Run AT Command 3"                            | Alpha identifier is displayed with italic off,<br>request Terminal Manufacturer ID.                        |
| 23   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.7.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |



## PROACTIVE UICC COMMAND: RUN AT COMMAND 3.7.1

Logically:

## Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

## Alpha Identifier

Alpha Identifier "Run AT Command 1"

## AT Command

AT Command string: "AT+CGMI"

## 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 | 47 |
|          | 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: Terminal

## Alpha Identifier

Alpha Identifier "Run AT Command 2"

## AT Command

AT Command string: "AT+CGMI"

## 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 | 47 |
|          | 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: Terminal

Alpha Identifier  
 Alpha Identifier "Run AT Command 3"

AT Command  
 AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: RUN AT COMMAND 3.7.1

Logically:

Command details  
 Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities  
 Source device: Terminal  
 Destination device: UICC

Result  
 General Result: Command performed successfully

AT Response  
 AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

27.22.4.23.3.7.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

## 27.22.4.23.3.8.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Underline On)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.8.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.8.1            |  |
| 4    | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with underline on,<br>request Terminal Manufacturer ID.                      |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.8.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.8.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.8.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                            | Alpha identifier is displayed with underline off,<br>request Terminal Manufacturer ID.                     |
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.8.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.8.1 |  |
| 14   | Terminal → UICC | FETCH   |  |

| Step | Direction       | Message/Action                                  | Comments   |
|------|-----------------|---|--|
| 15   | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 3.8.1         |  |
| 16   | Terminal → USER | Display "Run AT Command 1"                      | Alpha identifier is displayed with underline on, request Terminal Manufacturer ID.                   |
| 17   | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.8.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION ENDED                    |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.8.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 3.8.3         |  |
| 22   | Terminal → USER | Display "Run AT Command 3"                      | Alpha identifier is displayed with underline off, request Terminal Manufacturer ID.                  |
| 23   | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.8.1         | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION 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: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 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: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.8.3

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 3"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: RUN AT COMMAND 3.8.1.

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

27.22.4.23.3.8.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

27.22.4.23.3.9.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Strikethrough On)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.9.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.9.1            |  |
| 4    | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with strikethrough on, request Terminal Manufacturer ID.               |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.9.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.9.2 |  |
| 8    | Terminal → UICC | FETCH   |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.9.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                            | Alpha identifier is displayed with strikethrough off, request Terminal Manufacturer ID.              |
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.9.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.9.1 |  |
| 14   | Terminal → UICC | FETCH   |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.9.1            |  |
| 16   | Terminal → USER | Display "Run AT Command 1"                            | Alpha identifier is displayed with strikethrough on, request Terminal Manufacturer ID.               |
| 17   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.9.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 18   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |
| 19   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.9.3 |  |
| 20   | Terminal → UICC | FETCH   |  |
| 21   | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.9.3            |  |
| 22   | Terminal → USER | Display "Run AT Command 3"                            | Alpha identifier is displayed with strikethrough off, request Terminal Manufacturer ID.              |
| 23   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.9.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28. |
| 24   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                       |  |

## PROACTIVE UICC COMMAND: RUN AT COMMAND 3.9.1

Logically:

## Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

## Alpha Identifier

Alpha Identifier "Run AT Command 1"

## AT Command

AT Command string: "AT+CGMI"

## 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 | 47 |
|          | 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: Terminal

## Alpha Identifier

Alpha Identifier "Run AT Command 2"

## AT Command

AT Command string: "AT+CGMI"

## 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 | 47 |
|          | 4D | 49 | D0 | 04 | 00 | 10 | 00 | B4 |    |    |    |    |



PROACTIVE UICC COMMAND: RUN AT COMMAND 3.9.3

Logically:

Command details  
 Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities  
 Source device: UICC  
 Destination device: Terminal

Alpha Identifier  
 Alpha Identifier "Run AT Command 3"

AT Command  
 AT Command string: "AT+CGMI"

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 | 47 |
|          | 4D | 49 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: RUN AT COMMAND 3.9.1

Logically:

Command details  
 Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities  
 Source device: Terminal  
 Destination device: UICC

Result  
 General Result: Command performed successfully

AT Response  
 AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

27.22.4.23.3.9.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

## 27.22.4.23.3.10.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID, Text Attribute - Foreground and Background Colour)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.10.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.10.1            |  |
| 4    | Terminal → USER | Display "Run AT Command 1"                             | Alpha identifier is displayed with foreground and background colour according to the text attribute configuration, request Terminal Manufacturer ID. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.10.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28.   |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                        |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>3.10.2 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 3.10.2            |  |
| 10   | Terminal → USER | Display "Run AT Command 2"                             | Alpha identifier is displayed with Terminal's default foreground and background colour, request Terminal Manufacturer ID.                            |
| 11   | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 3.10.1            | Command performed successfully, AT Response containing Terminal Manufacturer ID as stated in A.2/28.   |
| 12   | UICC → Terminal | PROACTIVE UICC SESSION<br>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: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 1"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 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: Terminal

Alpha Identifier

Alpha Identifier "Run AT Command 2"

AT Command

AT Command string: "AT+CGMI"

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 | 47 |
|          | 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: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

## 27.22.4.23.3.10.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

## 27.22.4.23.4.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>4.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 4.1.1            | Alpha identifier, request Terminal<br>Manufacturer ID.   |
| 4    | Terminal → USER | Display "ЗДРАВСТВУЙТЕ"                                | "Hello" in Russian.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 4.1.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |

## PROACTIVE UICC COMMAND: RUN AT COMMAND 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

## Alpha Identifier

Alpha Identifier "ЗДРАВСТВУЙТЕ"

## AT Command

AT Command string: "AT+CGMI"

Coding:

| BER-TLV: | D0 | 21 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 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 | A8 | 07 | 41 | 54 | 2B | 43 | 47 | 4D | 49 |    |

## TERMINAL RESPONSE: RUN AT COMMAND 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

#### 27.22.4.23.4.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

##### 27.22.4.23.5.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>5.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 5.1.1            | Alpha identifier, request Terminal<br>Manufacturer ID.   |
| 4    | Terminal → USER | Display "你好"  | "Hello" in Chinese.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 5.1.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |

## PROACTIVE UICC COMMAND: RUN AT COMMAND 5.1.1

Logically:

## Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

## Alpha Identifier

Alpha Identifier "你好"

## AT Command

AT Command string: "AT+CGMI"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 19 | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 05 | 80 | 4F | 60 | 59 | 7D | A8 | 07 | 41 | 54 | 2B | 43 |
|          | 47 | 4D | 49 |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: RUN AT COMMAND 5.1.1

Logically:

## Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

## 27.22.4.23.5.5 Test requirement

The Terminal 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 Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- ETSI TS 102 223 [1], clauses 6.4.23, 6.6.23, 5.2, 6.8, 8.6, 8.7, 8.2, 8.40, 8.31, 8.41 and 8.70.
- ETSI TS 127 007 [6].

The terminal shall support the text attribute.

27.22.4.23.6.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

Prior to the test the Terminal 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 Terminal Manufacturer ID)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: RUN AT COMMAND<br>6.1.1 |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: RUN<br>AT COMMAND 6.1.1            | Alpha identifier, request Terminal<br>Manufacturer ID.   |
| 4    | Terminal → USER | Display "80ル"   | Characters in Katakana.  |
| 5    | Terminal → UICC | TERMINAL RESPONSE: RUN AT<br>COMMAND 6.1.1            | Command performed successfully, AT<br>Response containing Terminal Manufacturer<br>ID as stated in A.2/28. |

PROACTIVE UICC COMMAND: RUN AT COMMAND 6.1.1

Logically:

Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Alpha Identifier

Alpha Identifier "80ル"

AT Command

AT Command string: "AT+CGMI"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1B | 81 | 03 | 01 | 34 | 00 | 82 | 02 | 81 | 82 | 85 |
|          | 07 | 80 | 00 | 38 | 00 | 30 | 30 | EB | A8 | 07 | 41 | 54 |
|          | 2B | 43 | 47 | 4D | 49 |    |    |    |    |    |    |    |



## TERMINAL RESPONSE: RUN AT COMMAND 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: RUN AT COMMAND  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## AT Response

AT Response string: Terminal Manufacture ID

Coding:

|          |    |    |    |     |     |    |    |    |    |    |    |    |
|----------|----|----|----|-----|-----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 34  | 00  | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | A9 | LL | XX | ... | ... | XX |    |    |    |    |    |    |

## 27.22.4.23.6.5 Test requirement

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

## 27.22.4.24 SEND DTMF

The test method is not defined in the present document as it depends on a present NAA.

## 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 Terminal shall conclude the command by sending TERMINAL RESPONSE (OK) to the UICC, as soon as possible after receiving the LANGUAGE NOTIFICATION proactive UICC command.

- ETSI TS 102 223 [1], clauses 6.4.25 and 6.6.25.

## 27.22.4.25.3 Test purpose

To verify that the Terminal shall send a TERMINAL RESPONSE (OK) to the UICC after the Terminal receives the LANGUAGE NOTIFICATION proactive UICC command.

## 27.22.4.25.4 Method of Test

## 27.22.4.25.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

27.22.4.25.4.2 Procedure

**Expected Sequence 1.1 (LANGUAGE NOTIFICATION)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: LANGUAGE<br>NOTIFICATION 1.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>LANGUAGE NOTIFICATION 1.1.1            | Language specified in the command is different from the one set on the Terminal.                |
| 4    | Terminal → UICC | TERMINAL RESPONSE:<br>LANGUAGE NOTIFICATION 1.1.1            | Command performed successfully.   |
| 5    | UICC→ Terminal  | PROACTIVE UICC SESSION<br>ENDED                              | Language of Terminal may have been replaced by the one specified in LANGUAGE NOTIFICATION 1.1.1 |

PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.1.1

Logically:

Command details

Command number: 1  
 Command type: LANGUAGE NOTIFICATION  
 Command qualifier: "01" (specific language notification)

Device identities

Source device: UICC  
 Destination device: Terminal

Language

Language 'se'(Spanish) → 73 65  
 or 'de'→64 65 (German) for instance: choose a language different from the one initially set on the Terminal to check the proper

execution of the command

Coding:

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

TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.1.1

Logically:

Command details

Command number: 1  
 Command type: LANGUAGE NOTIFICATION  
 Command qualifier: "01"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

**Expected Sequence 1.2 (LANGUAGE NOTIFICATION)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: LANGUAGE<br>NOTIFICATION 1.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>LANGUAGE NOTIFICATION 1.1.1            | Language specified in the command is<br>different from the one set on the Terminal. |
| 4    | Terminal → UICC | TERMINAL RESPONSE:<br>LANGUAGE NOTIFICATION 1.1.1            | Command performed successfully.   |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: LANGUAGE<br>NOTIFICATION 1.2.1 |   |
| 6    | Terminal → UICC | FETCH  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND:<br>LANGUAGE NOTIFICATION 1.2.1            |   |
| 8    | Terminal → UICC | TERMINAL RESPONSE:<br>LANGUAGE NOTIFICATION 1.2.1            | Command performed successfully.   |
| 9    | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED                              | Check that initial language is set.   |

**PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.2.1**

Logically:

## Command details

Command number: 1  
 Command type: LANGUAGE NOTIFICATION  
 Command qualifier: "00" (non specific language notification)

## Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 35 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

**TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.2.1**

Logically:

## Command details

Command number: 1  
 Command type: LANGUAGE NOTIFICATION  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

**27.22.4.25.5 Test requirement**

The Terminal shall operate in the manner defined in expected sequences 1.1 and 1.2.

## 27.22.4.26 LAUNCH BROWSER

The test method is not defined in the present document as it depends on a present NAA.

## 27.22.4.27 OPEN CHANNEL

### 27.22.4.27.1 Void

### 27.22.4.27.2 Open Channel (related to GPRS)

The test method is not defined in the present document as it depends on a present NAA.

### 27.22.4.27.3 Open Channel (default bearer)

The test method is not defined in the present document as it depends on a present NAA.

### 27.22.4.27.4 Open Channel (Local Bearer)

TBD

### 27.22.4.27.5 Open Channel (GPRS, support of Text Attribute)

The test method is not defined in the present document as it depends on a present NAA.

### 27.22.4.27.6 Open Channel (related to UICC Server Mode)

#### 27.22.4.27.6.1 Open Channel (related to UICC Server Mode)

##### 27.22.4.27.6.1.1 Definition and applicability

See clause 3.2.2.

##### 27.22.4.27.6.1.2 Conformance requirements

The mobile shall support class "e" commands as defined in:

- ETSI TS 102 223 [1], 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.

##### 27.22.4.27.6.1.3 Test purpose

To verify that the Terminal shall send a:

- TERMINAL RESPONSE (OK);
- TERMINAL RESPONSE (Command performed with modification);

to the UICC after the terminal receives the OPEN CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is the result of the terminal capabilities against requested parameters by the UICC.

##### 27.22.4.27.6.1.4 Method of test

###### 27.22.4.27.6.1.4.1 Initial conditions

The Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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 terminal'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.

## 27.22.4.27.6.1.4.2 Procedure

**Expected Sequence 6.1 (OPEN CHANNEL, TCP in LISTEN state, successful)**

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: OPEN CHANNEL 6.1.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: OPEN<br>CHANNEL 6.1.1         |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: OPEN<br>CHANNEL 6.1.1         | [Command performed successfully]<br>TCP in LISTEN state |

## PROACTIVE COMMAND: OPEN CHANNEL 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## 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 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 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 |    |    |    |    |

**Expected Sequence 6.2 (OPEN CHANNEL, TCP in LISTEN state, command performed with modification)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: OPEN CHANNEL 6.2.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND : OPEN<br>CHANNEL 6.2.1        |  |
| 4    | Terminal → UICC | TERMINAL RESPONSE : OPEN<br>CHANNEL 6.2.1        | [Command performed with modification]<br>TCP in LISTEN state |

## PROACTIVE COMMAND: OPEN CHANNEL 6.2.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Alpha Identifier

Null

## Buffer

Buffer size: 65535

## 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 | FF | FF | 3C | 03 | 03 | 0D | BC |    |    |

## TERMINAL RESPONSE: OPEN CHANNEL 6.2.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed with modifications (07)

## Channel status

Channel identifier 1 and TCP in LISTEN state

**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 | 00       | 82 | 02 | 82 | 81 | 83 | 01 | 07 |
|  | 38 | 02 | 41 | 00 | see note |    |    |    |    |    |    |    |
| NOTE: 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 6.3 (Void)**

27.22.4.27.7 Open Channel (related to Terminal Server Mode)

27.22.4.27.7.1 Open Channel (related to Terminal Server Mode)

27.22.4.27.7.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.7.1.2 Conformance requirements

The mobile shall support class "e" and class "k" commands as defined in:

- ETSI TS 102 223 [1], clause 5.2, clauses 6.4.27, 6.6.27, 8.6, 8.7, 8.55, 8.56 and 8.59.
- ETSI TS 102 223 [1], clauses 6.4.27, 7.8, 8.8 and 8.87.

27.22.4.27.7.1.3 Test purpose

To verify that the Terminal shall send a:

- TERMINAL RESPONSE (OK);
- TERMINAL RESPONSE (Command performed with modification);

to the UICC after the terminal receives the OPEN CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is the result of the terminal capabilities against requested parameters by the UICC.

27.22.4.27.7.1.4 Method of test

27.22.4.27.7.1.4.1 Initial conditions

The Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

Service "Terminal Applications" is available in the Service Table provided by the NAA.

Prior to this test the Terminal 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 terminal's default channel identifier as declared in table A.2/27.

The Terminal has sent the ENVELOPE (TERMINAL APPLICATIONS) containing at least one application. For the purpose of this test procedure, we will consider the example of an e-mail application. See clause 27.22.10.1 for an example.

The Port number value used for these tests is set to 4369 as an example. This value is related to the Application Port number value declared by the Terminal when registering the 'e-mail' application.

## 27.22.4.27.7.1.4.2 Procedure

**Expected Sequence 7.1 (OPEN CHANNEL, Terminal Server Mode and TCP, successful)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: OPEN CHANNEL 7.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: OPEN<br>CHANNEL 7.1.1         |  |
| 4    | Terminal        | Activation of 'e-mail' application               | [The 'e-mail' application is launched successfully]          |
| 5    | Terminal → UICC | TERMINAL RESPONSE: OPEN<br>CHANNEL 7.1.1         | [Command performed successfully]<br>TCP in ESTABLISHED state |

## PROACTIVE COMMAND: OPEN CHANNEL 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: launch application immediately without additional launch parameters

## Device identities

Source device: UICC  
 Destination device: Terminal

## Buffer

Buffer size: 1400

## UICC/terminal interface transport level

Transport format: TCP, UICC in client mode, local connection  
 Port number: 4369

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 40 | 00 | 82 | 02 | 81 | 82 | 39 |
|          | 02 | 05 | 78 | 3C | 03 | 05 | 11 | 11 |    |    |    |    |

## TERMINAL RESPONSE: OPEN CHANNEL 7.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: launch application immediately without additional launch parameters

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Channel status

Channel identifier 1 and TCP in ESTABLISHED state

## Buffer

Buffer size: 1400



Coding:

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

**Expected Sequence 7.2 (OPEN CHANNEL, Terminal Server Mode and UDP, successful)**

| Step | Direction       | Message/Action                                   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: OPEN CHANNEL 7.2.1 |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: OPEN<br>CHANNEL 7.2.1         |   |
| 4    | Terminal        | Activation of 'e-mail' application               | [The 'e-mail' application is launched successfully] |
| 5    | Terminal → UICC | TERMINAL RESPONSE: OPEN<br>CHANNEL 7.2.1         | [Command performed successfully]                    |

PROACTIVE COMMAND: OPEN CHANNEL 7.2.1

Logically:

Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: launch application immediately without additional launch parameters

Device identities

Source device: UICC  
 Destination device: Terminal

Buffer

Buffer size: 1400

UICC/terminal interface transport level

Transport format: UDP, UICC in client mode, local connection  
 Port number: 4369

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 40 | 00 | 82 | 02 | 81 | 82 | 39 |
|          | 02 | 05 | 78 | 3C | 03 | 04 | 11 | 11 |    |    |    |    |

TERMINAL RESPONSE: OPEN CHANNEL 7.2.1

Logically:

Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: launch application immediately without additional launch parameters

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel identifier 1

Buffer

Buffer size: 1400

Coding:

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

**Expected Sequence 7.3 (OPEN CHANNEL, Terminal Server Mode and TCP, confirmation parameters, successful)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: OPEN CHANNEL 7.3.1                                 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: OPEN CHANNEL 7.3.1  |  |
| 4    | Terminal → user | Display message according to the Alpha identifier and wait for user confirmation |  |
| 5    | User → Terminal | Confirm launch of application  |  |
| 6    | Terminal        | Activation of 'e-mail' application   | [The 'e-mail' application is launched successfully]          |
| 7    | Terminal → UICC | TERMINAL RESPONSE: OPEN CHANNEL 7.3.1  | [Command performed successfully]<br>TCP in ESTABLISHED state |

PROACTIVE COMMAND: OPEN CHANNEL 7.3.1

Logically:

Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: launch application immediately without additional launch parameters

Device identities

Source device: UICC  
 Destination device: Terminal

Buffer

Buffer size: 1400

UICC/terminal interface transport level

Transport format: TCP, UICC in client mode, local connection  
 Port number: 4369

Alpha identifier

Content/value: "Confirmation requested"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 40 | 00 | 82 | 02 | 81 | 82 | 39 |
|          | 02 | 05 | 78 | 3C | 03 | 05 | 11 | 11 | 85 | 16 | 43 | 6F |
|          | 6E | 66 | 69 | 72 | 6D | 61 | 74 | 69 | 6F | 6E | 20 | 72 |
|          | 65 | 71 | 75 | 65 | 73 | 74 | 65 | 64 |    |    |    |    |

TERMINAL RESPONSE: OPEN CHANNEL 7.3.1

Logically:

Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: launch application immediately without additional launch parameters

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel identifier 1 and TCP in ESTABLISHED state

Buffer

Buffer size: 1400

Coding:

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

**Expected Sequence 7.4 (OPEN CHANNEL, Terminal Server Mode and UDP, confirmation parameters, successful)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: OPEN CHANNEL 7.4.1                                 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: OPEN CHANNEL 7.4.1  |  |
| 4    | Terminal → user | Display message according to the Alpha identifier and wait for user confirmation |  |
| 5    | User → Terminal | Confirm launch of application  |  |
| 6    | Terminal        | Activation of 'e-mail' application   | [The 'e-mail' application is launched successfully]          |
| 7    | Terminal → UICC | TERMINAL RESPONSE: OPEN CHANNEL 7.4.1  | [Command performed successfully]<br>TCP in ESTABLISHED state |

PROACTIVE COMMAND: OPEN CHANNEL 7.4.1

Logically:

Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: launch application immediately without additional launch parameters

Device identities

Source device: UICC  
 Destination device: Terminal

Buffer

Buffer size: 1400

UICC/terminal interface transport level

Transport format: UDP, UICC in client mode, local connection  
 Port number: 4369

Alpha identifier

Content/value: "Confirmation requested"

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 2A | 81 | 03 | 01 | 40 | 00 | 82 | 02 | 81 | 82 | 39 |
|          | 02 | 05 | 78 | 3C | 03 | 04 | 11 | 11 | 85 | 16 | 43 | 6F |
|          | 6E | 66 | 69 | 72 | 6D | 61 | 74 | 69 | 6F | 6E | 20 | 72 |
|          | 65 | 71 | 75 | 65 | 73 | 74 | 65 | 64 |    |    |    |    |

## TERMINAL RESPONSE: OPEN CHANNEL 7.4.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: launch application immediately without additional launch parameters

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Channel status

Channel identifier 1 and TCP in ESTABLISHED state

## Buffer

Buffer size: 1400

Coding:

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

## 27.22.4.28 CLOSE CHANNEL

## 27.22.4.28.1 CLOSE CHANNEL (related to GPRS)

The test method is not defined in the present document as it depends on a present NAA.

## 27.22.4.28.2 CLOSE CHANNEL (support of Text Attribute)

The test method is not defined in the present document as it depends on a present NAA.

## 27.22.4.28.3 CLOSE CHANNEL (related to UICC Server Mode)

## 27.22.4.28.3.1 Definition and applicability

See clause 3.2.2.

## 27.22.4.28.3.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- ETSI TS 102 223 [1].

## 27.22.4.28.3.3 Test purpose

To verify that the Terminal shall send a:

- TERMINAL RESPONSE (Command Performed Successfully)

to the UICC after the Terminal receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Terminal 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 Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

Prior to this test the Terminal 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 Terminal default channel identifier as declared in table A.2/27.

#### 27.22.4.28.3.4.2 Procedure

##### Expected sequence 3.1 (CLOSE CHANNEL, go to "TCP in LISTEN state", successful)

| Step | Direction       | Message/Action                                       | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: OPEN CHANNEL<br>6.1.1  | See initial conditions                                  |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND :<br>OPEN CHANNEL 6.1.1            |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE :<br>OPEN CHANNEL 6.1.1            | [Command performed successfully]<br>TCP in LISTEN state |
| 5    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: CLOSE CHANNEL<br>3.1.1 |   |
| 6    | Terminal → UICC | FETCH  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND:<br>CLOSE CHANNEL 3.1.1            | TCP in LISTEN state                                     |
| 8    | Terminal → UICC | TERMINAL RESPONSE<br>CLOSE CHANNEL 3.1.1             | [Command performed successfully]                        |

##### PROACTIVE COMMAND: OPEN CHANNEL 6.1.1

Logically:

###### Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

###### Device identities

Source device: UICC  
 Destination device: Terminal

###### 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 6.1.1

Logically:

###### Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

###### Device identities

Source device: Terminal  
 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: CLOSE CHANNEL 3.1.1

Logically:

Command details

Command number: 1  
 Command type: CLOSE CHANNEL  
 Command qualifier: close the TCP connection and go to "TCP in LISTEN state"

Device identities

Source device: UICC  
 Destination device: Channel 1

Coding:

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

TERMINAL RESPONSE: CLOSE CHANNEL 3.1.1

Logically:

Command details

Command number: 1  
 Command type: CLOSE CHANNEL  
 Command qualifier: close the TCP connection and go to "TCP in LISTEN state"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

Expected sequence 3.2 (CLOSE CHANNEL, go to "TCP in CLOSED state", successful)

| Step | Direction       | Message/Action                                 | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1  | See initial conditions                                  |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND : OPEN CHANNEL 6.1.1         |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE : OPEN CHANNEL 6.1.1         | [Command performed successfully]<br>TCP in LISTEN state |
| 5    | UICC → Terminal | PROACTIVE COMMAND PENDING: CLOSE CHANNEL 3.2.1 |   |
| 6    | Terminal → UICC | FETCH  |   |

| Step | Direction       | Message/Action                         | Comments                         |
|------|-----------------|--|----------------------------------|
| 7    | UICC → Terminal | PROACTIVE COMMAND: CLOSE CHANNEL 3.2.1 | TCP in CLOSED state              |
| 8    | Terminal → UICC | TERMINAL RESPONSE CLOSE CHANNEL 3.2.1  | [Command performed successfully] |

PROACTIVE COMMAND: CLOSE CHANNEL 3.2.1

Logically:

Command details

Command number: 1  
 Command type: CLOSE CHANNEL  
 Command qualifier: close the TCP connection and go to "TCP in CLOSED state"

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 3.2.1

Logically:

Command details

Command number: 1  
 Command type: CLOSE CHANNEL  
 Command qualifier: close the TCP connection and go to "TCP in CLOSED state"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

27.22.4.28.4 CLOSE CHANNEL (related to Terminal Server Mode)

27.22.4.28.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.28.4.2 Conformance requirements

The Terminal shall support the class "e" and "k" commands as defined in:

- ETSI TS 102 223 [1].

27.22.4.28.4.3 Test purpose

To verify that the Terminal shall send a:

- TERMINAL RESPONSE (Command Performed Successfully);

to the UICC after the Terminal receives the CLOSE CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Terminal capabilities against asked parameters by the UICC.

To verify that closing a channel (using the Close Channel command) shall not close terminal applications launched by opening the channel in Terminal Server Mode. The Close Channel command shall only close the communication channel between the UICC and the application.

#### 27.22.4.28.4.4 Method of Test

##### 27.22.4.28.4.4.1 Initial conditions

The Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

Service "Terminal Applications" is available in the Service Table provided by the NAA.

Prior to this test the Terminal 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 Terminal default channel identifier as declared in table A.2/27.

The Terminal has sent the ENVELOPE (TERMINAL APPLICATIONS) containing at least one application. For the purpose of this test procedure, we will consider the example of an e-mail application.

The Port number value used for these tests is set to 4369 as an example. This value is related to the Application Port number value declared by the Terminal when registering the 'e-mail' application.

##### 27.22.4.28.4.4.2 Procedure

#### Expected sequence 4.1 (CLOSE CHANNEL, Terminal Server Mode, successful)

| Step | Direction       | Message/Action                                    | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>OPEN CHANNEL 4.1.1  |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: OPEN<br>CHANNEL 4.1.1          |   |
| 4    | Terminal        | Activation of 'e-mail' application                | [The 'e-mail' application be launched successfully]   |
| 5    | Terminal → UICC | TERMINAL RESPONSE: OPEN<br>CHANNEL 4.1.1          | [Command performed successfully]<br>TCP in ESTABLISHED state  |
| 6    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>CLOSE CHANNEL 4.1.1 |   |
| 7    | Terminal → UICC | FETCH   |   |
| 8    | UICC → Terminal | PROACTIVE COMMAND: CLOSE<br>CHANNEL 4.1.1         |   |
| 9    | Terminal → UICC | TERMINAL RESPONSE CLOSE<br>CHANNEL 4.1.1          | [Command performed successfully]<br>[The 'e-mail' application shall not be closed by the<br>Terminal] |

#### PROACTIVE COMMAND: OPEN CHANNEL 4.1.1

Logically:

##### Command details

Command number: 1  
Command type: OPEN CHANNEL  
Command qualifier: RFU

##### Device identities

Source device: UICC  
Destination device: Terminal

##### Buffer

Buffer size: 1400

##### UICC/terminal interface transport level

Transport format: TCP, UICC in client mode, local connection  
Port number: 4369



Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 12 | 81 | 03 | 01 | 40 | 00 | 82 | 02 | 81 | 82 | 39 |
|          | 02 | 05 | 78 | 3C | 03 | 05 | 11 | 11 |    |    |    |    |

TERMINAL RESPONSE: OPEN CHANNEL 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Channel status

Channel identifier 1 and TCP in ESTABLISHED state

## Buffer

Buffer size: 1400

Coding:

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

PROACTIVE COMMAND: CLOSE CHANNEL 4.1.1

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 4.1.1

Logically:

## Command details

Command number: 1  
 Command type: CLOSE CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 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 RECEIVE DATA

The test method is not defined in the present document as it depends on a present NAA.

### 27.22.4.30 SEND DATA

The test method is not defined in the present document as it depends on a present NAA.

### 27.22.4.31 GET CHANNEL STATUS

#### 27.22.4.31.1 GET CHANNEL STATUS (related to GPRS)

The test method is not defined in the present document as it depends on a present NAA.

#### 27.22.4.31.2 GET CHANNEL STATUS (related to UICC server mode)

##### 27.22.4.31.2.1 Definition and applicability

See clause 3.2.2.

##### 27.22.4.31.2.2 Conformance requirements

The terminal shall support the class "e" commands as defined in:

- ETSI TS 102 223 [1].

##### 27.22.4.31.2.3 Test purpose

To verify that the Terminal shall send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC after the Terminal receives the GET STATUS proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Terminal capabilities against asked parameters by the UICC.

##### 27.22.4.31.2.4 Method of test

##### 27.22.4.31.2.4.1 Initial conditions

The Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

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

##### 27.22.4.31.2.4.2 Procedure

#### Expected sequence 2.1 (GET CHANNEL STATUS, in LISTEN state)

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1  | See initial conditions  |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND : OPEN CHANNEL 6.1.1   |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE : OPEN CHANNEL 6.1.1   | [Command performed successfully]<br>TCP in LISTEN state               |
| 5    | UICC → Terminal | PROACTIVE COMMAND PENDING: GET CHANNEL STATUS 2.1.1  | TCP in LISTEN state   |
| 6    | Terminal → UICC | FETCH  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND: GET CHANNEL STATUS 2.1.1  |   |
| 8    | Terminal → UICC | TERMINAL RESPONSE GET CHANNEL STATUS 2.1.1A OR TERMINAL RESPONSE GET CHANNEL STATUS 2.1.1B | [Command performed successfully]<br>TCP in LISTEN state for channel 1 |

## PROACTIVE COMMAND: OPEN CHANNEL 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## 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 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 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: GET CHANNEL STATUS 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: GET CHANNEL STATUS  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

TERMINAL RESPONSE: GET CHANNEL STATUS 2.1.1A

Logically:

Command details

Command number: 1  
 Command type: GET CHANNEL STATUS  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Channel status

Channel identifier 1 and TCP in LISTEN state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | B8 | 02 | 41 | 00 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET CHANNEL STATUS 2.1.1B

Logically:

Command details

Command number: 1  
 Command type: GET CHANNEL STATUS  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Channel 1 status

Channel identifier 1 and TCP in LISTEN state

Channel 2 status

Channel identifier 2 and TCP in CLOSED state

...

Channel n status

Channel identifier n and TCP in CLOSED state

Coding:

|          |  |    |    |    |    |    |    |    |    |    |    |    |
|----------|--|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81   | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | See note.  |    |    |    |    |    |    |    |    |    |    |    |
| NOTE:    | The Terminal Response contains as many channel status TLVs as channels are supported by the ME. The channel status TLV coding of the opened channel states "TCP in LISTEN state". Each other channel status TLV coding indicates the corresponding channel identifier and states "TCP in CLOSED state". 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 41 00 B8 02 02 00'. |    |    |    |    |    |    |    |    |    |    |    |

**Expected sequence 2.2 (GET CHANNEL STATUS, in ESTABLISHED state)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>SET UP EVENT LIST 2.2.1   |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 2.2.1   | [EVENT: channel status]  |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 2.2.1   | [command performed successfully]   |
| 5    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>OPEN CHANNEL 6.1.1  | See initial conditions   |
| 6    | Terminal → UICC | FETCH   |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND : OPEN<br>CHANNEL 6.1.1   |  |
| 8    | Terminal → UICC | TERMINAL RESPONSE : OPEN<br>CHANNEL 6.1.1   | [Command performed successfully]<br>TCP in LISTEN state                        |
| 9    | User → Terminal | Client application connection   |  |
| 10   | Terminal → UICC | ENVELOPE 2.2.1 (Event-Channel<br>Status)  | TCP in ESTABLISHED state   |
| 11   | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>GET CHANNEL STATUS 2.2.1  | TCP in ESTABLISHED state   |
| 12   | Terminal → UICC | FETCH   |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND: GET<br>CHANNEL STATUS 2.2.1  |  |
| 14   | Terminal → UICC | TERMINAL RESPONSE GET CHANNEL<br>STATUS 2.2.1A OR TERMINAL<br>RESPONSE GET CHANNEL STATUS<br>2.2.1B | [[Command performed successfully]<br>TCP in ESTABLISHED state for<br>channel 1 |

**PROACTIVE COMMAND: SET UP EVENT LIST 2.2.1**

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal

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 2.2.1**

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 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 2.2.1

## Logically:

## Event list

Event: Channel Status

## Device identities

Source device: Terminal

Destination device: UICC

## Channel status

Channel status: Channel 1, TCP in ESTABLISHED state, no further info can be given

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0B | 99 | 01 | 0A | 82 | 02 | 82 | 81 | 38 | 02 | 81 |
|          | 00 |    |    |    |    |    |    |    |    |    |    |    |

## PROACTIVE COMMAND: GET CHANNEL STATUS 2.2.1

## Logically:

## Command details

Command number: 1

Command type: GET CHANNEL STATUS

Command qualifier: RFU

## Device identities

Source device: UICC

Destination device: Terminal

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 09 | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 81 | 82 |
|----------|----|----|----|----|----|----|----|----|----|----|----|

## TERMINAL RESPONSE: GET CHANNEL STATUS 2.2.1A

## Logically:

## Command details

Command number: 1

Command type: GET CHANNEL STATUS

Command qualifier: RFU

## Device identities

Source device: Terminal

Destination device: UICC

## Result

General Result: Command performed successfully

## Channel status

Channel identifier 1 and TCP in ESTABLISHED state

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|          | B8 | 02 | 81 | 00 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: GET CHANNEL STATUS 2.2.1B

Logically:

Command details

Command number: 1  
 Command type: GET CHANNEL STATUS  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Channel 1 status

Channel identifier 1 and TCP in ESTABLISHED state

Channel 2 status

Channel identifier 2 and TCP in CLOSED state

...

Channel n status

Channel identifier n and TCP in CLOSED state

Coding:

|   |    |    |    |    |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV:  | 81 | 03 | 01 | 44 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|   |    |    |    |    |    |    |    |    |    |    |    |    |
| See note.   |    |    |    |    |    |    |    |    |    |    |    |    |
| NOTE: The Terminal Response contains as many channel status TLVs as channels are supported by the ME. The channel status TLV coding of the opened channel states "TCP in ESTABLISHED state". Each other channel status TLV coding indicates the corresponding channel identifier and states "TCP in CLOSED state". 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'. |    |    |    |    |    |    |    |    |    |    |    |    |

27.22.4.32 ACTIVATE

27.22.4.32.1 Definition and applicability

See clause 3.2.2.

27.22.4.32.2 Conformance Requirement

The Terminal shall conclude the command by sending TERMINAL RESPONSE (OK) to the UICC and by activating the SWP interface, as soon as possible after receiving the ACTIVATE proactive UICC command.

- ETSI TS 102 223 [1], clauses 6.4.40 and 6.6.40.

27.22.4.32.3 Test purpose

To verify that the Terminal shall activate UICC-CLF interface and shall send a TERMINAL RESPONSE (OK) to the UICC after the Terminal receives the ACTIVATE proactive UICC command.

27.22.4.32.4 Method of Test

27.22.4.32.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The SWP interface is in DEACTIVATED state.

27.22.4.32.4.2 Procedure

Expected Sequence 1.1 (ACTIVATE)

| Step   | Direction                    | Message/Action                               | Comments                                |
|--|------------------------------|--|---|
| 1  | UICC → Terminal              | PROACTIVE COMMAND<br>PENDING: ACTIVATE 1.1.1 |   |
| 2  | Terminal → UICC              | FETCH  |   |
| 3  | UICC → Terminal              | PROACTIVE COMMAND:<br>ACTIVATE 1.1.1         | Activate UICC-CLF interface             |
| 4  | Terminal → CLF<br>CLF → UICC | Activate UICC-CLF interface                  | SWP interface (contact C6) is activated |
| 5  | Terminal → UICC              | TERMINAL RESPONSE:<br>ACTIVATE 1.1.1         | Command performed successfully.         |
| 6  | UICC→ Terminal               | PROACTIVE UICC SESSION<br>ENDED              |   |
| NOTE: Depending on Terminal's implementation, the SWP interface activation can occur anytime after reception of PROACTIVE COMMAND: ACTIVATE 1.1.1, i.e. step 4 can occur before, after or at the same time as step 5. Any of these behaviours shall be accepted. |                              |  |   |

PROACTIVE COMMAND: ACTIVATE 1.1.1

Logically:

Command details

Command number: 1  
 Command type: ACTIVATE  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Activate

Target UICC-CLF interface

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 70 | 00 | 82 | 02 | 81 | 82 | FB |
|          | 01 | 01 |    |    |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: ACTIVATE 1.1.1

Logically:

Command details

Command number: 1  
 Command type: ACTIVATE  
 Command qualifier: "00"

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully



Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 70 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

#### 27.22.4.32.5 Test requirement

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

#### 27.22.4.33 CONTACTLESS STATE CHANGED

##### 27.22.4.33.1 Definition and applicability

See clause 3.2.2.

##### 27.22.4.33.2 Conformance Requirement

The Terminal shall conclude the command by sending **TERMINAL RESPONSE (OK)** to the UICC and by presenting to the user an information element (icon, etc.) that indicates the state of the contactless functionality.

- ETSI TS 102 223 [1], clauses 6.4.41 and 6.6.41.

The terminal shall support the SWP interface as specified in ETSI TS 102 613 [13].

##### 27.22.4.33.3 Test purpose

To verify that the Terminal shall send a **TERMINAL RESPONSE (OK)** to the UICC and shall present to the user an information element (icon, etc.) that indicates the state of the contactless functionality after the Terminal receives the **CONTACTLESS STATE CHANGED** proactive UICC command.

##### 27.22.4.33.4 Method of Test

###### 27.22.4.33.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

The contactless state of the UICC is set to disabled.

27.22.4.33.4.2 Procedure

**Expected Sequence 1.1 (CONTACTLESS STATE CHANGED)**

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: CONTACTLESS<br>STATE CHANGED 1.1.1  |  |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>CONTACTLESS STATE<br>CHANGED 1.1.1  | Inform terminal of UICC Contactless state to "enabled".  |
| 4    | Terminal → User | An information element (icon, etc.) that indicates the state of the contactless functionality is enabled shall be presented to the user either in this step or after step 5   |  |
| 5    | Terminal → UICC | TERMINAL RESPONSE:<br>CONTACTLESS STATE<br>CHANGED 1.1.1  | Command performed successfully.                          |
| 6    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: CONTACTLESS<br>STATE CHANGED 1.1.2  |  |
| 7    | Terminal → UICC | FETCH   |  |
| 8    | UICC → Terminal | PROACTIVE COMMAND:<br>CONTACTLESS STATE<br>CHANGED 1.1.2  | Inform terminal of UICC Contactless state to "disabled". |
| 9    | Terminal → User | An information element (icon, etc.) that indicates the state of the contactless functionality is disabled shall be presented to the user either in this step or after step 10 |  |
| 10   | Terminal → UICC | TERMINAL RESPONSE:<br>CONTACTLESS STATE<br>CHANGED 1.1.1  | Command performed successfully.                          |
| 11   | UICC→ Terminal  | PROACTIVE UICC SESSION<br>ENDED   |  |

PROACTIVE COMMAND: CONTACTLESS STATE CHANGED 1.1.1

Logically:

Command details

Command number: 1  
 Command type: CONTACTLESS STATE CHANGED  
 Command qualifier: "00"

Device identities

Source device: UICC  
 Destination device: Terminal

Contactless interface state

Contactless functionality state data enabled

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 71 | 00 | 82 | 02 | 81 | 82 | D4 |
|          | 01 | 00 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: CONTACTLESS STATE CHANGED 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: CONTACTLESS STATE CHANGED  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 71 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: CONTACTLESS STATE CHANGED 1.1.2

Logically:

## Command details

Command number: 1  
 Command type: CONTACTLESS STATE CHANGED  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

## Contactless interface state

Contactless functionality state data disabled

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 71 | 00 | 82 | 02 | 81 | 82 | D4 |
|          | 01 | 01 |    |    |    |    |    |    |    |    |    |    |

## 27.22.4.33.5 Test requirement

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

## 27.22.5 Void

## 27.22.6 CALL CONTROL BY NAA

## 27.22.6.1 Procedure for Terminal Originated calls

The test method is not defined in the present document as it depends on a present NAA.

## 27.22.6.2 Void

## 27.22.6.3 Interaction with Fixed Dialling Number (FDN)

The test method is not defined in the present document as it depends on a present NAA.

## 27.22.7 EVENT DOWNLOAD

### 27.22.7.1 MT Call Event

The test method is not defined in the present document as it depends on a present NAA.

### 27.22.7.2 Call Connected Event

#### 27.22.7.2.1 Call Connected Event (MT and MO call)

The test method is not defined in the present document as it depends on a present NAA.

### 27.22.7.3 Call Disconnected Event

The test method is not defined in the present document as it depends on a present NAA.

### 27.22.7.4 Location Status Event

#### 27.22.7.4.1 Location Status Event (normal)

The test method is not defined in the present document as it depends on a present NAA.

### 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 Terminal shall support the EVENT DOWNLOAD -USER ACTIVITY as defined in:

- ETSI TS 102 223 [1], clauses 5.2, 6.4.16, 6.8, 6.6.16, 6.11, 7.5, 8.6 and 8.25.

##### 27.22.7.5.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

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

27.22.7.5.1.4.2 Procedure

**Expected Sequence 1.1 (EVENT DOWNLOAD -USER ACTIVITY)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.1.1 | Set up event list: event User Activity.   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET<br>UP EVENT LIST 1.1.1            | Set up event list: event User Activity.   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET<br>UP EVENT LIST 1.1.1            | Command performed successfully.   |
| 5    | USER → Terminal | press any key  |   |
| 6    | Terminal → UICC | ENVELOPE EVENT<br>DOWNLOAD -USER ACTIVITY<br>1.1.1       |   |
| 7    | USER → Terminal | press any key  | check if no envelope Event Download-User<br>activity sending to the UICC ( this event is<br>reported once). |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: RFU

Device identities

Source device: UICC  
 Destination device: Terminal

Event list

User Activity

Coding:

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

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: RFU

Device identities

Source device: Terminal  
 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 -USER ACTIVITY 1.1.1

Logically:

|                     |               |
|---------------------|---------------|
| Event list          | User Activity |
| Device identities   |               |
| Source device:      | Terminal      |
| Destination device: | UICC          |

Coding:

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

#### 27.22.7.5.1.5 Test requirement

The Terminal 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 Terminal shall support the EVENT: IDLE SCREEN AVAILABLE event as defined in:

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.16, 6.8, 7.5, and 8.25.

##### 27.22.7.6.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

27.22.7.6.1.4.2 Procedure

**Expected Sequence 1.1 (EVENT DOWNLOAD - IDLE SCREEN AVAILABLE)**

| Step | Direction       | Message/Action  | Comments                                  |
|------|-----------------|---|---|
| 1    | USER → Terminal | Select screen other than the Terminal idle screen             |   |
| 2    | UICC → Terminal | PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1            | Set up event list: idle screen available. |
| 3    | Terminal → UICC | FETCH   |   |
| 4    | UICC → Terminal | PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1                    | Set up event list: idle screen available. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1                    | Command performed successfully.           |
| 6    | USER → Terminal | Select Terminal idle screen                                   |   |
| 7    | Terminal → UICC | ENVELOPE: IDLE SCREEN AVAILABLE 1.1.1                         |   |
| 8    | USER → Terminal | Select screen other than the ME idle screen                   |   |
| 9    | USER → Terminal | Select Terminal idle screen                                   |   |
| 10   | Terminal → UICC | ENVELOPE: IDLE SCREEN AVAILABLE shall not be sent to the UICC |   |

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: Terminal

Event list

Event 1: idle screen available

Coding:

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

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: '00'

Device identities

Source device: Terminal  
 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 - IDLE SCREEN AVAILABLE 1.1.1

Logically:

|                     |                       |
|---------------------|-----------------------|
| Event list          | Idle screen available |
| Device identities   |                       |
| Source device:      | Display               |
| Destination device: | UICC                  |

Coding:

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

27.22.7.6.1.5 Test requirement

The Terminal 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 Terminal shall support the EVENT: Call Card Reader Status event as defined in:

- ETSI TS 102 223 [1], clauses 4.7, 4.9, 5.2, 6.4.16, 6.8, 7.5, 8.25, 8.33, annexes F and G, clauses 8.25 and 8.7.

27.22.7.7.1.3 Test purpose

To verify that the Terminal informs the UICC that an Event: Card Reader Status has changed using the ENVELOPE (EVENT DOWNLOAD - Card Reader Status) command.

The Terminal-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for Terminals 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 Terminal is connected to the UICC Simulator.

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments |
|------|-----------------|--|----------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.1.1 |          |
| 2    | Terminal → UICC | FETCH  |          |



| Step | Direction       | Message/Action   | Comments                   |
|------|-----------------|--|----------------------------|
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1   | EVENT: Card Reader Status. |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1   | Successfully.              |
| 5    | User → Terminal | Insert a card in Reader  |                            |
| 6    | Terminal → UICC | ENVELOPE: CARD READER STATUS 1.1.1a<br>or<br>ENVELOPE: CARD READER STATUS 1.1.1b<br>Or<br>ENVELOPE: CARD READER STATUS 1.1.1c<br>Or<br>ENVELOPE: CARD READER STATUS 1.1.1d |                            |
| 7    | User → Terminal | Remove the card from Reader  |                            |
| 8    | Terminal → UICC | ENVELOPE: CARD READER STATUS 1.1.2a<br>Or<br>ENVELOPE: CARD READER STATUS 1.1.2b<br>Or<br>ENVELOPE: CARD READER STATUS 1.1.2c<br>Or<br>ENVELOPE: CARD READER STATUS 1.1.2d |                            |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: '00'

Device identities

Source device: UICC  
 Destination device: Terminal

Event list

Event 1: Card Reader Status

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 |
|          | 99 | 01 | 06 |    |    |    |    |    |    |    |    |

TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: '00'

Device identities

Source device: Terminal  
 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 CARD READER STATUS 1.1.1a

## Logically:

## Event list

Event 1: Card Reader Status

## Device identities

Source device: Terminal  
Destination device: UICC

## Card reader status

Identity of card reader: 01  
Card reader removable: Yes  
Card reader present: Yes  
Card reader ID-1 size: Yes  
Card present in reader: Yes  
Card powered: No

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 79 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1b

## Logically:

## Event list

Event 1: Card Reader Status

## Device identities

Source device: Terminal  
Destination device: UICC

## Card reader status

Identity of card reader: 01  
Card reader removable: Yes  
Card reader present: Yes  
Card reader ID-1 size: No  
Card present in reader: Yes  
Card powered: No

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 59 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1c

## Logically:

## Event list

Event 1: Card Reader Status

## Device identities

Source device: Terminal  
Destination device: UICC

## Card reader status

Identity of card reader: 01  
 Card reader removable: No  
 Card reader present: Yes  
 Card reader ID-1 size: Yes  
 Card present in reader: Yes  
 Card powered: No

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 71 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.1d

## Logically:

## Event list

Event 1: Card Reader Status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Card reader status

Identity of card reader: 01  
 Card reader removable: No  
 Card reader present: Yes  
 Card reader ID-1 size: No  
 Card present in reader: Yes  
 Card powered: No

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 51 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2a

## Logically:

## Event list

Event 1: Card Reader Status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Card reader status

Identity of card reader: 01  
 Card reader removable: Yes  
 Card reader present: Yes  
 Card reader ID-1 size: Yes  
 Card present in reader: No  
 Card powered: No

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 39 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2b

Logically:

|                          |                    |
|--------------------------|--------------------|
| Event list               |                    |
| Event 1:                 | Card Reader Status |
| Device identities        |                    |
| Source device:           | Terminal           |
| Destination device:      | UICC               |
| Card reader status       |                    |
| Identity of card reader: | 01                 |
| Card reader removable:   | Yes                |
| Card reader present:     | Yes                |
| Card reader ID-1 size:   | No                 |
| Card present in reader:  | No                 |
| Card powered:            | No                 |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 19 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2c

Logically:

|                          |                    |
|--------------------------|--------------------|
| Event list               |                    |
| Event 1:                 | Card Reader Status |
| Device identities        |                    |
| Source device:           | Terminal           |
| Destination device:      | UICC               |
| Card reader status       |                    |
| Identity of card reader: | 01                 |
| Card reader removable:   | No                 |
| Card reader present:     | Yes                |
| Card reader ID-1 size:   | Yes                |
| Card present in reader:  | No                 |
| Card powered:            | No                 |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 31 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 1.1.2d

Logically:

|                          |                    |
|--------------------------|--------------------|
| Event list               |                    |
| Event 1:                 | Card Reader Status |
| Device identities        |                    |
| Source device:           | Terminal           |
| Destination device:      | UICC               |
| Card reader status       |                    |
| Identity of card reader: | 01                 |
| Card reader removable:   | No                 |
| Card reader present:     | Yes                |
| Card reader ID-1 size:   | No                 |
| Card present in reader:  | No                 |
| Card powered:            | No                 |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 11 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

#### 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 Terminal shall support the EVENT: Call Card Reader Status event as defined in:

- ETSI TS 102 223 [1], clauses 4.7, 4.9, 5.2, 6.4.16, 6.8, 7.5, 8.25, 8.33, annexes F and G, clauses 8.25 and 8.7.

##### 27.22.7.7.2.3 Test purpose

To verify that the Terminal informs the UICC that an Event: Card Reader Status has changed using the ENVELOPE (EVENT DOWNLOAD - Card Reader Status) command.

The Terminal-Manufacturer can assign the card reader identifier from 0 to 7.

This test applies for Terminals 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 Terminal is connected to the UICC Simulator.

The Terminal 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)**

| Step | Direction       | Message/Action   | Comments                          |
|------|-----------------|--|-----------------------------------|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.1.1                               |                                   |
| 2    | Terminal → UICC | FETCH  |                                   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 1.1.1  | SET UP EVENT: Card Reader Status. |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 1.1.1  | Successfully.                     |
| 5    | User → Terminal | Attach the Card Reader to<br>Terminal  |                                   |
| 6    | Terminal → UICC | ENVELOPE: CARD READER<br>STATUS 2.1.1a<br>Or<br>ENVELOPE: CARD READER<br>STATUS 2.1.1b |                                   |
| 7    | User → Terminal | Detach the Card Reader from<br>Terminal  |                                   |
| 8    | Terminal → UICC | ENVELOPE: CARD READER<br>STATUS 2.1.2a<br>Or<br>ENVELOPE: CARD READER<br>STATUS 2.1.2b |                                   |

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.1a

Logically:

Event list  
 Event 1: Card Reader Status

Device identities  
 Source device: Terminal  
 Destination device: UICC

Card reader status  
 Identity of card reader: 01  
 Card reader removable: Yes  
 Card reader present: Yes  
 Card reader ID-1 size: Yes  
 Card present in reader: No  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 39 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.1b

Logically:

Event list  
 Event 1: Card Reader Status

Device identities  
 Source device: Terminal  
 Destination device: UICC

Card reader status  
 Identity of card reader: 01  
 Card reader removable: Yes  
 Card reader present: Yes  
 Card reader ID-1 size: No  
 Card present in reader: No  
 Card powered: No

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 19 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2a

Logically:

Event list  
 Event 1: Card Reader Status

Device identities  
 Source device: Terminal  
 Destination device: UICC

## Card reader status

Identity of card reader: 01  
 Card reader removable: Yes  
 Card reader present: No  
 Card reader ID-1 size: Yes  
 Card present in reader: No  
 Card powered: No

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 29 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## ENVELOPE: EVENT DOWNLOAD CARD READER STATUS 2.1.2b

## Logically:

## Event list

Event 1: Card Reader Status

## Device identities

Source device: Terminal  
 Destination device: UICC

## Card reader status

Identity of card reader: 01  
 Card reader removable: Yes  
 Card reader present: No  
 Card reader ID-1 size: No  
 Card present in reader: No  
 Card powered: No

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 99 | 01 | 06 | 82 | 02 | 82 | 81 | A0 | 01 | 09 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## 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 Terminal shall support the EVENT: LANGUAGE SELECTION event as defined in:

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.16, 6.8, 7.5, and 8.25.

## 27.22.7.8.1.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

Prior to this test the Terminal 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)**

| Step | Direction       | Message/Action   | Comments                               |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.1.1 | Set up event list: language selection. |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 1.1.1            | Set up event list: language selection. |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 1.1.1            | Command performed successfully.        |
| 5    | USER → Terminal | Change the language to German.                           |  |
| 6    | Terminal → UICC | ENVELOPE: LANGUAGE<br>SELECTION 1.1.1                    |  |

PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1

Logically:

Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: '00'

Device identities

Source device: UICC  
 Destination device: Terminal

Event list

Event 1: language selection

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|          | 01 | 07 |    |    |    |    |    |    |    |    |    |    |

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: Terminal  
 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 - LANGUAGE SELECTION 1.1.1

Logically:

|                     |                       |
|---------------------|-----------------------|
| Event list          | Language selection    |
| Device identities   |                       |
| Source device:      | Terminal              |
| Destination device: | UICC                  |
| Language            |                       |
| Language            | 'de' → 64 65 (German) |

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0B | 19 | 01 | 07 | 82 | 02 | 82 | 81 | 2D | 02 | 64 |
|          | 65 |    |    |    |    |    |    |    |    |    |    |    |

#### 27.22.7.8.1.5 Test requirement

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

#### 27.22.7.9 Browser termination event

The test method is not defined in the present document as it depends on a present NAA.

#### 27.22.7.10 Data available event

##### 27.22.7.10.1 Data available event (related to GPRS)

The test method is not defined in the present document as it depends on a present NAA.

##### 27.22.7.10.2 Data available event (related to UICC server mode)

###### 27.22.7.10.2.1 Definition and applicability

See clause 3.2.2.

###### 27.22.7.10.2.2 Conformance requirements

The terminal shall support the class "e" commands as defined in:

- ETSI TS 102 223 [1].

Additionally the Terminal shall support ENVELOPE (EVENT DOWNLOAD - Data available).

###### 27.22.7.10.2.3 Test purpose

To verify that the Terminal shall send an ENVELOPE (EVENT DOWNLOAD - Data available) to the UICC after the Terminal receives a packet of data coming from Client application by the BIP channel previously opened.

###### 27.22.7.10.2.4 Method of test

###### 27.22.7.10.2.4.1 Initial conditions

The Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

Prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure. The UICC shall have sent the SET UP EVENT LIST to the Terminal to supply a set of events (event Data available).

## 27.22.7.10.2.4.2 Procedure

**Expected sequence 2.1 (EVENT DOWNLOAD - Data available, successful)**

| Step | Direction       | Message/Action                                     | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND: SET UP EVENT LIST 2.1.1 PENDING |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP EVENT LIST 2.1.1         |   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP EVENT LIST 2.1.1         |   |
| 5    | UICC → Terminal | PROACTIVE COMMAND PENDING: OPEN CHANNEL 6.1.1      | See initial conditions                                  |
| 6    | Terminal → UICC | FETCH  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND : OPEN CHANNEL 6.1.1             |   |
| 8    | Terminal → UICC | TERMINAL RESPONSE : OPEN CHANNEL 6.1.1             | [Command performed successfully]<br>TCP in LISTEN state |
| 9    | User → Terminal | Client application connection                      |   |
| 10   | Terminal → UICC | ENVELOPE 2.2.1 (Event-Channel Status)              | TCP in ESTABLISHED state                                |
| 11   | Terminal → UICC | ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1    |   |

## PROACTIVE COMMAND: SET UP EVENT LIST 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## Event list

Event 1: Data available  
 Event 2: Channel Status

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0D | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 |
|          | 99 | 02 | 09 | 0A |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: SET UP EVENT LIST 2.1.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: OPEN CHANNEL 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

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 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 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 |    |    |    |    |

## ENVELOPE: EVENT DOWNLOAD - Channel Status 2.2.1

Logically:

## Event list

Event: Channel Status

## Device identities

Source device: Terminal

Destination device: UICC

## Channel status

Channel status: Channel 1, TCP in ESTABLISHED state, no further info can be given

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0B | 99 | 01 | 0A | 82 | 02 | 82 | 81 | 38 | 02 | 81 |
|          | 00 |    |    |    |    |    |    |    |    |    |    |    |

## ENVELOPE: EVENT DOWNLOAD - Data available 2.1.1

Logically:

## Event list

Event: Data available

## Device identities

Source device: Terminal

Destination device: UICC

## Channel status

Channel status: Channel 1 open, TCP in ESTABLISHED state, no further info can be given

## Channel Data Length

Channel data length: 255 Bytes available in Rx buffer

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0E | 99 | 01 | 09 | 82 | 02 | 82 | 81 | B8 | 02 | 81 |
|          | 00 | B7 | 01 | FF |    |    |    |    |    |    |    |    |

## 27.22.7.11 Channel Status event

## 27.22.7.11.1 Channel Status event (related to GPRS)

The test method is not defined in the present document as it depends on a present NAA.

## 27.22.7.11.2 Channel Status event (related to UICC server mode)

## 27.22.7.11.2.1 Definition and applicability

See clause 3.2.2.

## 27.22.7.11.2.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- ETSI TS 102 223 [1].

Additionally the Terminal shall support ENVELOPE (EVENT DOWNLOAD - Channel Status).

## 27.22.7.11.2.3 Test purpose

To verify that the Terminal shall send an ENVELOPE (EVENT DOWNLOAD - Channel Status) with connection status set to "TCP in ESTABLISHED state" to the UICC as soon as a Client application successfully establishes a connection to the TCP port.

To verify that the Terminal shall send an ENVELOPE (EVENT DOWNLOAD - Channel Status) with connection status set to "TCP in LISTEN state" to the UICC if a Client application closes the TCP connection while the BIP connection is still open.

## 27.22.7.11.2.4 Method of test

## 27.22.7.11.2.4.1 Initial conditions

The Terminal is connected to the UICC Simulator. The elementary files are coded as Toolkit default.

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

## 27.22.7.11.2.4.2 Procedure

**Expected sequence 2.1 (EVENT DOWNLOAD - Channel Status, TCP in LISTEN state)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>SET UP EVENT LIST 2.2.1                                  |   |
| 2    | Terminal → UICC | FETCH  |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 2.2.1  | [EVENT: channel status]                                 |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 2.2.1  | [command performed successfully]                        |
| 5    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>OPEN CHANNEL 6.1.1                                       | See initial conditions                                  |
| 6    | Terminal → UICC | FETCH  |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND : OPEN<br>CHANNEL 6.1.1  |   |
| 8    | Terminal → UICC | TERMINAL RESPONSE : OPEN<br>CHANNEL 6.1.1  | [Command performed successfully]<br>TCP in LISTEN state |
| 9    | User → Terminal | Client application connection  |   |
| 10   | Terminal → UICC | ENVELOPE 2.2.1 (Event-Channel<br>Status)   | TCP in ESTABLISHED state                                |
| 11   | Terminal → UICC | Client application disconnection   |   |
| 12   | Terminal → UICC | ENVELOPE 2.1.1A (Event-Channel<br>Status) OR ENVELOPE 2.1.1B<br>(Event-Channel Status) | TCP in LISTEN state                                     |

## PROACTIVE COMMAND: SET UP EVENT LIST 2.2.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## 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 2.2.1

Logically:

## Command details

Command number: 1  
 Command type: SET UP EVENT LIST  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

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

## PROACTIVE COMMAND: OPEN CHANNEL 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: UICC  
 Destination device: Terminal

## 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 6.1.1

Logically:

## Command details

Command number: 1  
 Command type: OPEN CHANNEL  
 Command qualifier: RFU

## Device identities

Source device: Terminal  
 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 |    |    |    |    |

## ENVELOPE: EVENT DOWNLOAD - Channel Status 2.1.1A

## Logically:

## Event list

Event: Channel Status

## Device identities

Source device: Terminal

Destination device: UICC

## Channel status

Channel status: Channel 1, TCP in LISTEN state, no further info can be given

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0B | 99 | 01 | 0A | 82 | 02 | 82 | 81 | 38 | 02 | 41 |
|          | 00 |    |    |    |    |    |    |    |    |    |    |    |

## ENVELOPE: EVENT DOWNLOAD - Channel Status 2.1.1B

## Logically:

## Event list

Event: Channel Status

## Device identities

Source device: Terminal

Destination device: UICC

## Channel status

Channel status: Channel 1, TCP in LISTEN state, link dropped

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0B | 99 | 01 | 0A | 82 | 02 | 82 | 81 | 38 | 02 | 41 |
|          | 05 |    |    |    |    |    |    |    |    |    |    |    |

**Expected sequence 2.2 (EVENT DOWNLOAD - Channel Status, TCP in ESTABLISHED state)**

| Step | Direction       | Message/Action  | Comments  |
|------|-----------------|---|---|
| 1    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>SET UP EVENT LIST 2.1.1 |   |
| 2    | Terminal → UICC | FETCH   |   |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 2.1.1         | [EVENT: channel status]                                 |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 2.1.1         | [command performed successfully]                        |
| 5    | UICC → Terminal | PROACTIVE COMMAND PENDING:<br>OPEN CHANNEL 6.1.1      | See initial conditions                                  |
| 6    | Terminal → UICC | FETCH   |   |
| 7    | UICC → Terminal | PROACTIVE COMMAND : OPEN<br>CHANNEL 6.1.1             |   |
| 8    | Terminal → UICC | TERMINAL RESPONSE : OPEN<br>CHANNEL 6.1.1             | [Command performed successfully]<br>TCP in LISTEN state |
| 9    | User → Terminal | Client application connection                         |   |

| Step | Direction       | Message/Action                        | Comments                 |
|------|-----------------|---------------------------------------|--------------------------|
| 10   | Terminal → UICC | ENVELOPE 2.2.1 (Event-Channel Status) | TCP in ESTABLISHED state |

ENVELOPE: EVENT DOWNLOAD - Channel Status 2.2.1

Logically:

Event list

Event: Channel Status

Device identities

Source device: Terminal

Destination device: UICC

Channel status

Channel status: Channel 1, TCP in ESTABLISHED state, no further info can be given

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0B | 99 | 01 | 0A | 82 | 02 | 82 | 81 | 38 | 02 | 81 |
|          | 00 |    |    |    |    |    |    |    |    |    |    |    |

27.22.7.11.2.4.3 Test requirement

The terminal shall operate in the manner defined in expected sequence 2.2.

27.22.7.12 Access Technology Change event

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

TBD

27.22.7.16 Browsing status event

TBD

27.22.7.17 Frames Information changed event

TBD

27.22.7.18 HCI connectivity event

27.22.7.18.1 HCI connectivity event (normal)

27.22.7.18.1.1 Definition and applicability

See clause 3.2.2.

27.22.7.18.1.2 Conformance requirement

The Terminal shall support the EVENT: HCI CONNECTIVITY event as defined in:

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.16, 6.8, 7.5, and 8.25.



The Terminal shall support the SWP and HCI interfaces as specified in ETSI TS 102 613 [13] and in ETSI TS 102 622 [14].

### 27.22.7.18.1.3 Test purpose

To verify that the Terminal informs the UICC that a CAT Event: HCI connectivity has occurred using the ENVELOPE (EVENT DOWNLOAD – HCI CONNECTIVITY) command.

### 27.22.7.18.1.4 Method of test

#### 27.22.7.18.1.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

HCI session initialization has been performed and at least one RF application gate is available and has been prepared to use card emulation in the RF field.

The SWP interface is in ACTIVATED or SUSPENDED state, a pipe is created and opened to the terminal host connectivity gate.

#### 27.22.7.18.1.4.2 Procedure

### Expected Sequence 1.1 (EVENT DOWNLOAD – HCI CONNECTIVITY)

| Step | Direction       | Message/Action  | Comments   |
|------|-----------------|---|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.1.1                            | Set up event list: HCI connectivity.   |
| 2    | Terminal → UICC | FETCH   |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 1.1.1                                       | Set up event list: HCI connectivity.   |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 1.1.1                                       | Command performed successfully.  |
| 5    | User → Terminal | Place the terminal in RF field to<br>ensure that the SWP interface is<br>activated. | Some additional exchanges may occur on the<br>HCI interface between the Terminal and the<br>UICC before step 6. This is not a failure of the<br>terminal.      |
| 6    | UICC → Terminal | Send the HCI event<br>"EVT_CONNECTIVITY" on the<br>SWP interface                    |  |
| 7    | Terminal → UICC | ENVELOPE: HCI CONNECTIVITY<br>1.1.1   | On reception of EVT_CONNECTIVITY over<br>terminal host HCI Connectivity gate<br>(forwarded by the CLF to terminal) , handset<br>sends such an envelope to UICC |

### 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: Terminal

#### Event list

Event 1: HCI connectivity event

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|          | 01 | 13 |    |    |    |    |    |    |    |    |    |    |

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: Terminal  
 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 – HCI CONNECTIVITY 1.1.1

Logically:

Event list HCI connectivity event

## Device identities

Source device: Terminal  
 Destination device: UICC

Coding:

|          |    |    |    |    |    |    |    |    |    |  |  |  |
|----------|----|----|----|----|----|----|----|----|----|--|--|--|
| BER-TLV: | D6 | 07 | 99 | 01 | 13 | 82 | 02 | 82 | 81 |  |  |  |
|----------|----|----|----|----|----|----|----|----|----|--|--|--|

## 27.22.7.18.1.5 Test requirement

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

## 27.22.7.19 Contactless state request

## 27.22.7.19.1 Contactless state request (normal)

## 27.22.7.19.1.1 Definition and applicability

See clause 3.2.2.

## 27.22.7.19.1.2 Conformance requirement

The Terminal shall support the EVENT: CONTACTLESS STATE REQUEST event as defined in:

- ETSI TS 102 223 [1], clauses 4.7, 5.2, 6.4.16, 6.8, 7.5, and 8.25.

The terminal shall support the SWP interface as specified in ETSI TS 102 613 [13].

## 27.22.7.19.1.3 Test purpose

To verify that the Terminal informs the UICC that a CAT Event: Contactless state request has occurred using the ENVELOPE (EVENT DOWNLOAD – CONTACTLESS STATE REQUEST) command.

27.22.7.19.1.4 Method of test

27.22.7.19.1.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

The elementary files are coded as Card Application Toolkit default.

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

The SWP interface is in ACTIVATED or SUSPENDED state.

27.22.7.19.1.4.2 Procedure

#### Expected Sequence 1.1 (EVENT DOWNLOAD – CONTACTLESS STATE REQUEST)

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: SET UP EVENT LIST<br>1.1.1                   | Set up event list: Contactless state request.              |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND: SET UP<br>EVENT LIST 1.1.1                              | Set up event list: Contactless state request.              |
| 4    | Terminal → UICC | TERMINAL RESPONSE: SET UP<br>EVENT LIST 1.1.1                              | Command performed successfully.                            |
| 5    | USER → Terminal | Issue a request to enable the<br>contactless functionality of the<br>UICC  |  |
| 6    | Terminal → UICC | ENVELOPE: CONTACTLESS<br>STATE REQUEST 1.1.1                               |  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: CONTACTLESS<br>STATE CHANGED 1.1.1           |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>CONTACTLESS STATE<br>CHANGED 1.1.1                   | Inform terminal of UICC Contactless state to<br>"enabled"  |
| 10   | Terminal → UICC | TERMINAL RESPONSE:<br>CONTACTLESS STATE<br>CHANGED 1.1.1                   | Command performed successfully.                            |
| 11   | USER → Terminal | Issue a request to disable the<br>contactless functionality of the<br>UICC |  |
| 12   | Terminal → UICC | ENVELOPE: CONTACTLESS<br>STATE REQUEST 1.1.2                               |  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: CONTACTLESS<br>STATE CHANGED 1.1.2           |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>CONTACTLESS STATE<br>CHANGED 1.1.2                   | Inform terminal of UICC Contactless state to<br>"disabled" |
| 16   | Terminal → UICC | TERMINAL RESPONSE:<br>CONTACTLESS STATE<br>CHANGED 1.1.1                   | Command performed successfully.                            |

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: Terminal

## Event list

Event 1: Contactless state request

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 05 | 00 | 82 | 02 | 81 | 82 | 99 |
|          | 01 | 16 |    |    |    |    |    |    |    |    |    |    |

## 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: Terminal  
 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 – CONTACTLESS STATE REQUEST 1.1.1

## Logically:

Event list: Contactless state request

## Device identities

Source device: Terminal  
 Destination device: UICC

## Language

Contactless state request data: enable

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 19 | 01 | 16 | 82 | 02 | 82 | 81 | D3 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: CONTACTLESS STATE CHANGED 1.1.1

## Logically:

## Command details

Command number: 1  
 Command type: CONTACTLESS STATE CHANGED  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

## Contactless interface state

Contactless functionality state data: enabled

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 71 | 00 | 82 | 02 | 81 | 82 | D4 |
|          | 01 | 00 |    |    |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: CONTACTLESS STATE CHANGED 1.1.1

Logically:

## Command details

Command number: 1  
 Command type: CONTACTLESS STATE CHANGED  
 Command qualifier: "00"

## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 81 | 03 | 01 | 71 | 00 | 82 | 02 | 82 | 81 | 83 | 01 | 00 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## EVENT DOWNLOAD – CONTACTLESS STATE REQUEST 1.1.2

Logically:

Event list Contactless state request

## Device identities

Source device: Terminal  
 Destination device: UICC

## Language

Contactless state request data disable

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D6 | 0A | 19 | 01 | 16 | 82 | 02 | 82 | 81 | D3 | 01 | 01 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|

## PROACTIVE COMMAND: CONTACTLESS STATE CHANGED 1.1.2

Logically:

## Command details

Command number: 1  
 Command type: CONTACTLESS STATE CHANGED  
 Command qualifier: "00"

## Device identities

Source device: UICC  
 Destination device: Terminal

## Contactless interface state

Contactless functionality state data disabled

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 0C | 81 | 03 | 01 | 71 | 00 | 82 | 02 | 81 | 82 | D4 |
|          | 01 | 01 |    |    |    |    |    |    |    |    |    |    |

## 27.22.7.19.1.5 Test requirement

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

## 27.22.8 Void

## 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 Terminal shall support the facility as defined in ETSI TS 102 223 [1], clauses 6.5.1, 6.8 and 8.6.

## 27.22.9.3 Test purpose

To verify that the Terminal 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 Terminal is connected to the UICC Simulator.

The elementary files are coded as Toolkit default.

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

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

The Terminal 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)**

| Step | Direction       | Message/Action                                   | Comments   |
|------|-----------------|--|--|
| 1    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.1.1 |  |
| 2    | Terminal → UICC | FETCH  |  |
| 3    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.1.1         | Normal priority, wait for user to clear message, unpacked, 8 bit data. |
| 4    | Terminal → USER | Display "Toolkit Test 1"                         |  |
| 5    | USER → Terminal | Clear Message                                    |  |
| 6    | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.1.1         | Command performed successfully.  |
| 7    | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.1.2 |  |
| 8    | Terminal → UICC | FETCH  |  |
| 9    | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.1.2         | Normal priority, wait for user to clear message, unpacked, 8 bit data. |
| 10   | Terminal → USER | Display "Toolkit Test 2"                         |  |
| 11   | USER → Terminal | Clear Message                                    |  |
| 12   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.1.2         | Command performed successfully.  |
| 13   | UICC → Terminal | PROACTIVE COMMAND<br>PENDING: DISPLAY TEXT 1.1.3 |  |
| 14   | Terminal → UICC | FETCH  |  |
| 15   | UICC → Terminal | PROACTIVE COMMAND:<br>DISPLAY TEXT 1.1.3         | Normal priority, wait for user to clear message, unpacked, 8 bit data. |
| 16   | Terminal → USER | Display "Toolkit Test 3"                         |  |
| 17   | USER → Terminal | Clear Message                                    |  |

| Step | Direction       | Message/Action                           | Comments                        |
|------|-----------------|--|---------------------------------|
| 18   | Terminal → UICC | TERMINAL RESPONSE:<br>DISPLAY TEXT 1.1.3 | Command performed successfully. |
| 19   | UICC → Terminal | PROACTIVE UICC SESSION<br>ENDED          |                                 |

PROACTIVE COMMAND: DISPLAY TEXT 1.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: 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 1.1.1

Logically:

Command details

Command number: 1  
 Command type: DISPLAY TEXT  
 Command qualifier: normal priority, wait for user to clear message

Device identities

Source device: Terminal  
 Destination device: UICC

Result

General Result: Command performed successfully

Coding:

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

PROACTIVE COMMAND: DISPLAY TEXT 1.1.2

Logically:

Command details

Command number: 254  
 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 2"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | FE | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0F | 04 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 54 | 65 |
|          | 73 | 74 | 20 | 32 |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 1.1.2

## Logically:

## Command details

Command number: 254  
Command type: DISPLAY TEXT  
Command qualifier: normal priority, wait for user to clear message

## Device identities

Source device: Terminal  
Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

## PROACTIVE COMMAND: DISPLAY TEXT 1.1.3

## Logically:

## Command details

Command number: 173  
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 3"

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | D0 | 1A | 81 | 03 | AD | 21 | 80 | 82 | 02 | 81 | 02 | 8D |
|          | 0F | 04 | 54 | 6F | 6F | 6C | 6B | 69 | 74 | 20 | 54 | 65 |
|          | 73 | 74 | 20 | 33 |    |    |    |    |    |    |    |    |

## TERMINAL RESPONSE: DISPLAY TEXT 1.1.3

## Logically:

## Command details

Command number: 173  
Command type: DISPLAY TEXT  
Command qualifier: normal priority, wait for user to clear message



## Device identities

Source device: Terminal  
 Destination device: UICC

## Result

General Result: Command performed successfully

## Coding:

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

### 27.22.9.5 Test requirement

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

## 27.22.10 TERMINAL APPLICATIONS

### 27.22.10.1 TERMINAL APPLICATIONS (one application)

#### 27.22.10.1.1 Definition and applicability

See clause 3.2.2.

#### 27.22.10.1.2 Conformance requirement

The Terminal shall support the class "k" command as defined in:

- ETSI TS 102 223 [1], clauses 6.1, 7.8, 8.7, 8.87 and 8.88.

#### 27.22.11.1.3 Test purpose

To verify that the Terminal shall inform the card of the applications present in the handset that can be granted the right to be started upon a request of the card, by sending one or several ENVELOPE (TERMINAL APPLICATIONS) to the UICC, after each start of card session and as soon as possible when any such launch-able application is added to or removed from the terminal, or de-registered dynamically from the registry.

#### 27.22.11.1.4 Method of test

##### 27.22.11.1.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

Service "Terminal Applications" is available in the Service Table provided by the NAA.

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

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

The 'e-mail' application is installed in the Terminal. No other "launch-able" application is present in the Terminal.

The name of the e-mail application used for these tests is set to "e-mail" as an example.

The Port number value used for these tests is set to '1111' as an example. This value is related to the Application Port number value declared by the Terminal when registering the 'e-mail' application.

27.22.11.1.4.2 Procedure

**Expected Sequence 1.1 (TERMINAL APPLICATIONS, e-mail application registered as launch-able application, successful)**

| Step | Direction       | Message/Action   | Comments  |
|------|-----------------|--|---|
| 1    | Terminal        | After the PROFILE DOWNLOAD procedure has been performed, initiate the registration of 'e-mail' application |   |
| 2    | Terminal → UICC | ENVELOPE: TERMINAL APPLICATIONS 1.1.1  | The terminal shall inform the card of 'e-mail' application presents in the terminal that can be granted the right to be started upon a request of the card. |

ENVELOPE: TERMINAL APPLICATIONS ENVELOPE 1.1.1

Logically:

Device identities

Source device: Terminal  
 Destination device: UICC

Registry application

Data 1:  
 Application port number (2 bytes): '1111'  
 Data Coding Scheme (1 byte): unpacked, 8 bit data  
 Registry content: '00' (e-mail application) + "email" (name of application)

Last envelope 00 (Length=0)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | DC | 11 | 82 | 02 | 82 | 81 | 71 | 09 | 11 | 11 | 04 | 00 |
|          | 65 | 6D | 61 | 69 | 6C | 70 | 00 |    |    |    |    |    |

**Expected Sequence 1.2 (TERMINAL APPLICATIONS, remove or disable e-mail application, successful)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | USER → Terminal | Initiate the removing or disablement of 'e-mail' application | [Command performed successfully]   |
| 2    | Terminal → UICC | Empty ENVELOPE (TERMINAL APPLICATIONS) 1.2.1                 | An empty ENVELOPE (TERMINAL APPLICATIONS) without any Registry data is sent to the UICC to indicate the launch-able 'e-mail' application has been removed or disabled in the terminal. |

ENVELOPE: TERMINAL APPLICATIONS ENVELOPE 1.2.1

Logically:

Device identities

Source device: Terminal  
 Destination device: UICC

Last envelope 00 (Length=0)

Coding:

|          |    |    |    |    |    |    |    |    |  |  |  |  |
|----------|----|----|----|----|----|----|----|----|--|--|--|--|
| BER-TLV: | DC | 04 | 82 | 02 | 82 | 81 | 70 | 00 |  |  |  |  |
|          |    |    |    |    |    |    |    |    |  |  |  |  |

27.22.11.2 TERMINAL APPLICATIONS (several applications)

27.22.11.2.1 Definition and applicability

See clause 3.2.2.

27.22.11.2.2 Conformance requirement

The Terminal shall support the class "k" command as defined in:

- ETSI TS 102 223 [1], clauses 6.1, 7.8, 8.7, 8.87 and 8.88.

27.22.11.2.3 Test purpose

To verify that the Terminal shall inform the card of the applications present in the handset that can be granted the right to be started upon a request of the card, by sending one or several ENVELOPE (TERMINAL APPLICATIONS) to the UICC, after each start of card session and as soon as possible when any such launch-able application is added to or removed from the terminal, or de-registered dynamically from the registry.

27.22.11.2.4 Method of test

27.22.11.2.4.1 Initial conditions

The Terminal is connected to the UICC Simulator.

Service "Terminal Applications" is available in the Service Table provided by the NAA and be activated.

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

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

The applications are installed in the Terminal.

The names of the applications used for this test are set as an example.

The Port numbers values used for this test are set as an example. These values are related to the Application Port number value declared by the Terminal when registering the applications.

27.22.11.2.4.2 Procedure

**Expected Sequence 2.1(TERMINAL APPLICATIONS, severals applications (more than 243 bytes) including 2 envelopes, successful)**

| Step | Direction       | Message/Action   | Comments   |
|------|-----------------|--|--|
| 1    | Terminal        | After the PROFILE DOWNLOAD procedure has been performed, initiate the registration of 8 applications:<br>email, synchronization, network monitoring, video streaming, audio streaming, game, browsing and device management application. |  |
| 2    | Terminal → UICC | ENVELOPE: TERMINAL APPLICATIONS 1.3.1  | The terminal shall inform the card of applications are present in the terminal that can be granted the right to be started upon a request of the card. |
| 3    | Terminal → UICC | ENVELOPE: TERMINAL APPLICATIONS 1.3.2  | Last envelope  |

## ENVELOPE: TERMINAL APPLICATIONS ENVELOPE 2.1.1

Logically:

## Device identities

Source device: Terminal  
Destination device: UICC

## Registry application

## Data 1:

Application port number (2 bytes): '1111'  
Data Coding Scheme (1 byte): unpacked, 8 bit data  
Registry content: '00' + "email application" (name of application)

## Data 2:

Application port number (2 bytes): '2222'  
Data Coding Scheme (1 byte): unpacked, 8 bit data  
Registry content: '01' + "synchronization application" (name of application)

## Data 3:

Application port number (2 bytes): '3333'  
Data Coding Scheme (1 byte): unpacked, 8 bit data  
Registry content: '02' + "network monitoring application" (name of application)

## Data 4:

Application port number (2 bytes): '4444'  
Data Coding Scheme (1 byte): unpacked, 8 bit data  
Registry content: '03' + "video streaming application" (name of application)

## Data 5:

Application port number (2 bytes): '5555'  
Data Coding Scheme (1 byte): unpacked, 8 bit data  
Registry content: '04' + "audio streaming application" (name of application)

## Data 6:

Application port number (2 bytes): '6666'  
Data Coding Scheme (1 byte): unpacked, 8 bit data  
Registry content: '05' + "game application" (name of application)

## Data 7:

Application port number (2 bytes): '7777'  
Data Coding Scheme (1 byte): unpacked, 8 bit data  
Registry content: '06' + "browsing application" (name of application)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | DC | D6 | 82 | 02 | 82 | 81 | 71 | 15 | 11 | 11 | 04 | 00 |
|          | 65 | 6D | 61 | 69 | 6C | 20 | 61 | 70 | 70 | 6C | 69 | 63 |
|          | 61 | 74 | 69 | 6F | 6E | 71 | 1F | 22 | 22 | 04 | 01 | 73 |
|          | 79 | 6E | 63 | 68 | 72 | 6F | 6E | 69 | 7A | 61 | 74 | 69 |
|          | 6F | 6E | 20 | 61 | 70 | 70 | 6C | 69 | 63 | 61 | 74 | 69 |
|          | 6F | 6E | 71 | 26 | 33 | 33 | 04 | 02 | 6E | 65 | 74 | 77 |
|          | 6F | 72 | 6B | 20 | 6D | 6F | 6E | 69 | 74 | 6F | 72 | 69 |
|          | 74 | 6F | 72 | 69 | 6E | 67 | 20 | 61 | 70 | 70 | 6C | 69 |
|          | 63 | 61 | 74 | 69 | 6F | 6E | 71 | 1F | 44 | 44 | 04 | 03 |
|          | 76 | 69 | 64 | 65 | 6F | 20 | 73 | 74 | 72 | 65 | 61 | 6D |
|          | 69 | 6E | 67 | 20 | 61 | 70 | 70 | 6C | 69 | 63 | 61 | 74 |
|          | 69 | 6F | 6E | 71 | 1F | 55 | 55 | 04 | 04 | 61 | 75 | 64 |
|          | 69 | 6F | 20 | 73 | 74 | 72 | 65 | 61 | 6D | 69 | 6E | 67 |
|          | 20 | 61 | 70 | 70 | 6C | 69 | 63 | 61 | 74 | 69 | 6F | 6E |
|          | 71 | 14 | 66 | 66 | 04 | 05 | 67 | 61 | 6D | 65 | 20 | 61 |
|          | 70 | 70 | 6C | 69 | 63 | 61 | 74 | 69 | 6F | 6E | 71 | 18 |
|          | 77 | 77 | 04 | 06 | 62 | 72 | 6F | 77 | 73 | 69 | 6E | 67 |
|          | 20 | 61 | 70 | 70 | 6C | 69 | 63 | 61 | 74 | 69 | 6F | 6E |

ENVELOPE: TERMINAL APPLICATIONS ENVELOPE 2.1.2

Logically:

Device identities

Source device: Terminal  
 Destination device: UICC

Registry application

Data 8:

Application port number (2 bytes): '8888'  
 Data Coding Scheme (1 byte): unpacked, 8 bit data  
 Registry content: '07' + "device management application as per OMA Device Management V1.2 specifications" (name of application)

Last envelope 00 (Length=0)

Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | DC | 5E | 82 | 02 | 82 | 81 | 71 | 4A | 88 | 88 | 04 | 07 |
|          | 64 | 65 | 76 | 69 | 63 | 65 | 20 | 6D | 61 | 6E | 61 | 67 |
|          | 65 | 6D | 65 | 6E | 74 | 20 | 61 | 70 | 70 | 6C | 69 | 63 |
|          | 61 | 74 | 69 | 6F | 6E | 20 | 61 | 73 | 20 | 70 | 65 | 72 |
|          | 20 | 70 | 65 | 72 | 20 | 4F | 4D | 41 | 20 | 44 | 65 | 76 |
|          | 69 | 63 | 65 | 20 | 4D | 61 | 6E | 61 | 67 | 65 | 6D | 65 |
|          | 6E | 74 | 20 | 56 | 31 | 2E | 32 | 20 | 73 | 70 | 65 | 63 |
|          | 69 | 66 | 69 | 63 | 61 | 74 | 69 | 6F | 6E | 73 | 70 | 00 |

## Annex A (normative): Details of Test-SIM (TestSIM)

The TestSIM shall be able to present the following data:

### ANSWER TO RESET

Logically:

|                         |  |
|-------------------------|--|
| TS (Initial character): | '3B'   |
| T0 (Format character):  | '86' (Following interface characters: TD(1), number of historical characters: 6) |
| TD1:                    | '00' (Following interface characters: none, Transfer protocol: T=0)              |
| T1:                     | 91   |
| T2:                     | 99   |
| T3:                     | 00   |
| T4:                     | 12   |
| T5:                     | C1   |
| T6:                     | 00   |

Coding:

|          |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 3B | 86 | 00 | 91 | 99 | 00 | 12 | C1 | 00 |
|----------|----|----|----|----|----|----|----|----|----|

- For a successful outcome of the command "Select MasterFile" the TestSIM shall send SW1/SW2 "9F 1B".
- For a successful outcome of the command "Get Response with Length 1B" on the MasterFile the TestSIM shall respond:

|                                   |                   |
|-----------------------------------|-------------------|
| RFU:                              | '00 00'           |
| Not allocated memory:             | '653 bytes'       |
| File ID:                          | Master File       |
| Type of file:                     | MF                |
| RFU:                              | 00 00 22 FF 01'   |
| Length of following data:         | 14 bytes'         |
| File characteristics:             |                   |
| Clock Stop:                       | Not allowed       |
| Min. frequency for GSM algorithm: | 13/8 MHz          |
| Technology identification:        | 3V Technology SIM |
| CHV1:                             | disabled          |
| DFs in current directory:         | 2                 |
| EFs in current directory:         | 8                 |
| Number of CHV and admin. Codes:   | 3                 |
| RFU byte 18:                      | 00                |
| CHV1 status:                      |                   |
| False representations remaining:  | 3                 |
| RFU-bits 7-5:                     | 000               |
| Secret code:                      | Initialized       |
| Unlock CHV1 status:               |                   |
| False representations remaining:  | 10                |
| RFU-bits 7-5:                     | 000               |
| Secret code:                      | Initialized       |
| CHV2 status:                      |                   |
| False representations remaining:  | 3                 |
| RFU-bits 7-5:                     | 000               |
| Secret code:                      | Initialized       |

## Unlock CHV2 status:

False representations remaining: 10  
 RFU-bits 7-5: 000  
 Secret code: Initialized  
 RFU bytes 23: 00  
 Reserved for admin. management: 00 83 00 FF  
 Status Words  
 SW1/SW2: Normal ending of command

## Coding:

|          |    |    |    |    |    |    |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|
| BER-TLV: | 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<sub>PLMN</sub> 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<sub>PLMN</sub> 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                          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                |         | PD_Pro_Dvnl      |
| 2    | 1.2      | Reserved by 3GPP                          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                |         | Reserved         |
| 3    | 1.3      | Reserved by 3GPP                          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                |         | Reserved         |
| 4    | 1.4      | Menu selection                            | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264 AND<br>C265 |         | PD_Menu_sel      |
| 5    | 1.5      | Reserved by 3GPP                          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                |         | Reserved         |
| 6    | 1.6      | Timer expiration                          | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | M                |         | PD_TExpir        |
| 7    | 1.7      | Reserved by 3GPP                          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                |         | Reserved         |
| 8    | 1.8      | Bit=1 if Call control by NAA is supported | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267             |         | PD_CC            |
| 9    | 2.1      | Command result                            | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                |         | PD_Cmd_Res       |
| 10   | 2.2      | Call Control by NAA                       | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267             |         | PD_CC            |
| 11   | 2.3      | Bit=1 if Call control by NAA is supported | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267             |         | PD_CC            |
| 12   | 2.4      | Reserved by 3GPP                          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                |         | Reserved         |
| 13   | 2.5      | Bit=1 if Call control is supported        | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267             |         | PD_CC            |
| 14   | 2.6      | UCS2 Entry supported                      | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C203 AND<br>C265 |         | PD_UCS2_entry    |
| 15   | 2.7      | UCS2 Display supported                    | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C203 AND<br>C264 |         | PD_UCS2_Display  |
| 16   | 2.8      | Bit=1 if Display Text supported           | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264             |         | PD_Display_Text  |
| 17   | 3.1      | DISPLAY TEXT                              | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264             |         | PD_Display_Text  |
| 18   | 3.2      | GET INKEY                                 | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | C264 AND<br>C265 |         | PD_Get_Inkey     |
| 19   | 3.3      | GET INPUT                                 | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | C264 AND<br>C265 |         | PD_Get_Input     |
| 20   | 3.4      | MORE TIME                                 | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | M                |         | PD_More_Time     |
| 21   | 3.5      | PLAY TONE                                 | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | C266             |         | PD_Play_Tone     |
| 22   | 3.6      | POLL INTERVAL                             | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | M                |         | PD_Poll_interval |
| 23   | 3.7      | POLLING OFF                               | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | M                |         | PD_Polling_Off   |
| 24   | 3.8      | REFRESH                                   | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | M                |         | PD_Refresh       |



| Item | Byte.bit | Terminal Profile                              | Ref.  | Release | Status                       | Support | Mnemonic             |
|------|----------|---|---|---------|------------------------------|---------|----------------------|
| 25   | 4.1      | SELECT ITEM                                   | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | C264 AND<br>C265             |         | PD_Select_Item       |
| 26   | 4.2      | Reserved by 3GPP                              | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | Reserved             |
| 27   | 4.3      | Reserved by 3GPP                              | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | Reserved             |
| 28   | 4.4      | Reserved by 3GPP                              | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | Reserved             |
| 29   | 4.5      | SET UP CALL                                   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264 AND<br>C265 AND<br>C267 |         | PD_SetUp_Call        |
| 30   | 4.6      | SET UP MENU                                   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264 AND<br>C265             |         | PD_SetUp_Menu        |
| 31   | 4.7      | PROVIDE LOCAL INFORMATION<br>(LOCI & IMEI)    | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | M                            |         | PD_Provide_Local     |
| 32   | 4.8      | PROVIDE LOCAL INFORMATION<br>(NMR)            | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Provide_Local_NMR |
| 33   | 5.1      | SET UP EVENT LIST                             | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Setup_Evt_List    |
| 34   | 5.2      | Event: MT call                                | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267                         |         | PD_MT_Call           |
| 35   | 5.3      | Event: Call connected                         | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267                         |         | PD_Call_Conn         |
| 36   | 5.4      | Event: Call disconnected                      | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267                         |         | PD_Call_Disc         |
| 37   | 5.5      | Event: Location status                        | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Loc_Status        |
| 38   | 5.6      | Event: User activity                          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C265                         |         | PD_User_Act          |
| 39   | 5.7      | Event: Idle screen available                  | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264                         |         | PD_Idle_Scr_Avail    |
| 40   | 5.8      | Event: Card reader status                     | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C206                         |         | PD_Evt_Rdr_Status    |
| 41   | 6.1      | Event: Language selection                     | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C268                         |         | PD_Lang_Select       |
| 42   | 6.2      | Event: Browser Termination                    | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C212 AND<br>C264 AND<br>C265 |         | PD_Browser_Term      |
| 43   | 6.3      | Event: Data available                         | ETSI TS 102 223 [1], clause 5.2                                   | R4      | C223                         |         | PD_Data_Avail        |
| 44   | 6.4      | Event: Channel status                         | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C223                         |         | PD_Evt_Ch_Status     |
| 45   | 6.5      | Event: Access Technology Change               | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Evt_ATC           |
| 46   | 6.6      | Event: Display Parameters Changed             | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C218 AND<br>C264             |         | PD_Disp_Resiz        |
| 47   | 6.7      | Event: Local Connexion                        | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Evt_LC            |
| 48   | 6.8      | Event: Network Search Mode<br>Change          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-6   | M                            |         | PD_Evt_NSMC          |
| 49   | 7.1      | POWER ON CARD                                 | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C206                         |         | PD_C_On              |
| 50   | 7.2      | POWER OFF CARD                                | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C206                         |         | PD_C_Off             |
| 51   | 7.3      | PERFORM CARD APDU                             | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C206                         |         | PD_C_APDU            |
| 52   | 7.4      | GET READER STATUS (Card reader<br>status)     | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C206                         |         | PD_Get_Rdr_Status    |
| 53   | 7.5      | GET READER STATUS (Card reader<br>identifier) | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C208                         |         | PD_Get_Rdr_Id        |
| 54   | 7.6      | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_54            |
| 55   | 7.7      | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_55            |
| 56   | 7.8      | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_56            |

| Item | Byte.bit | Terminal Profile                                      | Ref.  | Release | Status                       | Support | Mnemonic                |
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| 57   | 8.1      | TIMER MANAGEMENT (start, stop)                        | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Timer_Mgt_Start_Stop |
| 58   | 8.2      | TIMER MANAGEMENT (get current value)                  | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Timer_Val            |
| 59   | 8.3      | PROVIDE LOCAL INFORMATION (date, time and time zone)  | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Provide_Local_D_Time |
| 60   | 8.4      | Bit=1 if Get Inkey is supported                       | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C265                         |         | PD_Get_Inkey            |
| 61   | 8.5      | SET UP IDLE MODE TEXT                                 | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264                         |         | PD_Stup_Id_Mod_Txt      |
| 62   | 8.6      | RUN AT COMMAND (i.e. class "b" is supported)          | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C209                         |         | PD_Run_AT               |
| 63   | 8.7      | Bit=1 if Set UpCall is supported                      | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264 AND<br>C265 AND<br>C267 |         | PD_SetUp_Call           |
| 64   | 8.8      | Bit=1 if Call Control by NAA is supported             | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267                         |         | PD_CC                   |
| 65   | 9.1      | Bit=1 if Display Text is supported                    | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C264                         |         | PD_Display_Text         |
| 66   | 9.2      | SEND DTMF command                                     | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C267                         |         | PD_Send_DTMF            |
| 67   | 9.3      | Bit=1 if Provide Local Information (NMR) is supported | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Provide_Local        |
| 68   | 9.4      | PROVIDE LOCAL INFORMATION (language)                  | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Provide_Local_LS     |
| 69   | 9.5      | Reserved by 3GPP                                      | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | Reserved                |
| 70   | 9.6      | LANGUAGE NOTIFICATION                                 | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C268                         |         | PD_Lang_Notif           |
| 71   | 9.7      | LAUNCH BROWSER  | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C212 AND<br>C264 AND<br>C265 |         | PD_Launch_Brws          |
| 72   | 9.8      | PROVIDE LOCAL INFORMATION (Access Technology)         | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | M                            |         | PD_Provide_Local_AT     |
| 73   | 10.1     | Soft keys support for SELECT ITEM                     | ETSI TS 102 223 [1], clause 5.2                                   | R4      | C213 AND<br>C265             |         | PD_Softkey_Select_Item  |
| 74   | 10.2     | Soft Keys support for SET UP MENU                     | ETSI TS 102 223 [1], clause 5.2<br>ETSI TS 101 267 [11], clause 5 | Rel-4   | C213 AND<br>C265             |         | PD_Softkey_SetUp_Menu   |
| 75   | 10.3     | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_75               |
| 76   | 10.4     | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_76               |
| 77   | 10.5     | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_77               |
| 78   | 10.6     | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_78               |
| 79   | 10.7     | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_79               |
| 80   | 10.8     | RFU   | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | X                            |         | PD_RFU_80               |
| 81   | 11.1     | Maximum number of soft keys available ('FF' = RFU)    | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C214 AND<br>C265             |         | PD_Max_SoftKey          |
| 82   | 11.2     | Maximum number of soft keys available ('FF' = RFU)    | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C214 AND<br>C265             |         | PD_Max_SoftKey          |
| 83   | 11.3     | Maximum number of soft keys available ('FF' = RFU)    | ETSI TS 102 223 [1], clause 5.2                                   | Rel-4   | C214 AND<br>C265             |         | PD_Max_SoftKey          |

| Item | Byte.bit | Terminal Profile   | Ref.                            | Release | Status        | Support | Mnemonic         |
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| 84   | 11.4     | Maximum number of soft keys available ('FF' = RFU)       | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C214 AND C265 |         | PD_Max_SoftKey   |
| 85   | 11.5     | Maximum number of soft keys available ('FF' = RFU)       | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C214 AND C265 |         | PD_Max_SoftKey   |
| 86   | 11.6     | Maximum number of soft keys available ('FF' = RFU)       | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C214 AND C265 |         | PD_Max_SoftKey   |
| 87   | 11.7     | Maximum number of soft keys available ('FF' = RFU)       | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C214 AND C265 |         | PD_Max_SoftKey   |
| 88   | 11.8     | Maximum number of soft keys available ('FF' = RFU)       | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C214 AND C265 |         | PD_Max_SoftKey   |
| 89   | 12.1     | OPEN CHANNEL   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C223          |         | PD_Open_Ch       |
| 90   | 12.2     | CLOSE CHANNEL  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C223          |         | PD_Close_Ch      |
| 91   | 12.3     | RECEIVE DATA   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C223          |         | PD_Rx_Data       |
| 92   | 12.4     | SEND DATA  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C223          |         | PD_Send_Data     |
| 93   | 12.5     | GET CHANNEL STATUS                                       | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C223          |         | PD_Get_Ch_Status |
| 94   | 12.6     | SERVICE SEARCH   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C224          |         | PD_Serv_Search   |
| 95   | 12.7     | GET SERVICE INFORMATION                                  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C224          |         | PD_Get_Serv_Info |
| 96   | 12.8     | DECLARE SERVICE  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C224          |         | PD_Declare_Serv  |
| 97   | 13.1     | CSD supported by Terminal                                | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C207          |         | PD_CSD           |
| 98   | 13.2     | GPRS supported by Terminal                               | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C222          |         | PD_GPRS          |
| 99   | 13.3     | Bluetooth supported by terminal                          | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C225          |         | PD_BT            |
| 100  | 13.4     | IrDA Supported by terminal                               | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C226          |         | PD_IrDA          |
| 101  | 13.5     | RS232 Supported by terminal                              | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C227          |         | PD_RS232         |
| 102  | 13.6     | Number of channels supported by Terminal                 | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C223          |         | PD_Nb_Channel    |
| 103  | 13.7     | Number of channels supported by Terminal                 | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C223          |         | PD_Nb_Channel    |
| 104  | 13.8     | Number of channels supported by Terminal                 | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C223          |         | PD_Nb_Channel    |
| 105  | 14.1     | Number of characters supported down the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char       |
| 106  | 14.2     | Number of characters supported down the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char       |
| 107  | 14.3     | Number of characters supported down the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char       |
| 108  | 14.4     | Number of characters supported down the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char       |
| 109  | 14.5     | Number of characters supported down the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char       |
| 110  | 14.6     | No display capability (i.e class "ND" is indicated)      | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C269          |         | PD_Type_ND       |
| 111  | 14.7     | No keypad available (i.e. class "NK" is indicated)       | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C270          |         | PD_Type_NK       |

| Item | Byte.bit | Terminal Profile   | Ref.                            | Release | Status        | Support | Mnemonic                   |
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| 112  | 14.8     | Screen Sizing Parameters                                   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C216 AND C264 |         | PD_Screen_Siz              |
| 113  | 15.1     | Number of characters supported across the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char_Dis             |
| 114  | 15.2     | Number of characters supported across the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char_Dis             |
| 115  | 15.3     | Number of characters supported across the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char_Dis             |
| 116  | 15.4     | Number of characters supported across the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char_Dis             |
| 117  | 15.5     | Number of characters supported across the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char_Dis             |
| 118  | 15.6     | Number of characters supported across the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char_Dis             |
| 119  | 15.7     | Number of characters supported across the Terminal display | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Nb_Char_Dis             |
| 120  | 15.8     | Variable size fonts Supported                              | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Var_Font                |
| 121  | 16.1     | Display can be resized                                     | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C218 AND C264 |         | PD_Dis_Resize              |
| 122  | 16.2     | Text Wrapping supported                                    | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C218 AND C264 |         | PD_Txt_Wrap                |
| 123  | 16.3     | Text Scrolling supported                                   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C218 AND C264 |         | PD_Txt_Scroll              |
| 124  | 16.4     | Text attributes supported                                  | ETSI TS 102 223 [1], clause 5.2 | Rel-5   | C228 AND C264 |         | PD_Text_Attrib             |
| 125  | 16.5     | RFU  | ETSI TS 101 267 [11], clause 5  | Rel-4   | X             |         | PD_RFU_125                 |
| 126  | 16.6     | Width reduction when in a menu                             | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Width_Reduc             |
| 127  | 16.7     | Width reduction when in a menu                             | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Width_Reduc             |
| 128  | 16.8     | Width reduction when in a menu                             | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C217 AND C264 |         | PD_Width_Reduc             |
| 129  | 17.1     | TCP, UICC in client mode                                   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C220          |         | PD_TCP                     |
| 130  | 17.2     | UDP, UICC in client mode                                   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C221          |         | PD_UDP                     |
| 131  | 17.3     | TCP, UICC server mode                                      | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | C257          |         | PD_TCP_UICC_ServerMode     |
| 132  | 17.4     | TCP, UICC in client mode, local connection                 | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | C258          |         | PD_TCP_Terminal_ServerMode |
| 133  | 17.5     | UDP, UICC in client mode, local connection                 | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | C259          |         | PD_UDP_Terminal_ServerMode |
| 134  | 17.6     | RFU  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_134                 |
| 135  | 17.7     | Reserved by 3GPP (E-UTRAN)                                 | ETSI TS 102 223 [1], clause 5.2 | Rel-8   | X             |         | Reserved                   |
| 136  | 17.8     | Reserved by 3GPP (HSDPA)                                   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X             |         | Reserved                   |
| 137  | 18.1     | DISPLAY TEXT (Variable time out)                           | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C229          |         |                            |

| Item | Byte.bit | Terminal Profile  | Ref.                            | Release | Status                       | Support | Mnemonic   |
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| 138  | 18.2     | GET INKEY (help is supported while waiting for immediate response or variable time out) | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C231                         |         |            |
| 139  | 18.3     | USB supported by Terminal   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C232                         |         |            |
| 140  | 18.4     | GET INKEY (Variable time out)   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | C229 AND<br>C264 AND<br>C265 |         |            |
| 141  | 18.5     | PROVIDE LOCAL INFORMATION (ESN)   | See 3GPP2                       | Rel-4   | X                            |         | Reserved   |
| 142  | 18.6     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-5   | X                            |         | Reserved   |
| 143  | 18.7     | PROVIDE LOCAL INFORMATION (IMEISV)  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | M                            |         |            |
| 144  | 18.8     | PROVIDE LOCAL INFORMATION (search mode change)  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | M                            |         |            |
| 145  | 19.1     | Reserved by TIA/EIA-136 (Protocol Version)  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 146  | 19.2     | Reserved by TIA/EIA-136 (Protocol Version)  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 147  | 19.3     | Reserved by TIA/EIA-136 (Protocol Version)  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 148  | 19.4     | Reserved by TIA/EIA-136 (Protocol Version)  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 149  | 19.5     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | PD_RFU_149 |
| 150  | 19.6     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | PD_RFU_150 |
| 151  | 19.7     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | PD_RFU_151 |
| 152  | 19.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | PD_RFU_152 |
| 153  | 20.1     | Reserved by TIA/EIA/IS-820  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 154  | 20.2     | Reserved by TIA/EIA/IS  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 155  | 20.3     | Reserved by TIA/EIA/IS  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 156  | 20.4     | Reserved by TIA/EIA/IS  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 157  | 20.5     | Reserved by TIA/EIA/IS  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 158  | 20.6     | Reserved by TIA/EIA/IS-820  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 159  | 20.7     | Reserved by TIA/EIA/IS-820  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 160  | 20.8     | Reserved by TIA/EIA/IS-820  | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                            |         | Reserved   |
| 161  | 21.1     | WML browser supported   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C233 AND<br>C264             |         | PD_WML     |
| 162  | 21.2     | XHTML browser supported   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C234 AND<br>C264             |         | PD_XHTML   |
| 163  | 21.3     | HTML browser supported  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C235 AND<br>C264             |         | PD_HTML    |

| Item | Byte.bit | Terminal Profile  | Ref.                            | Release | Status        | Support | Mnemonic      |
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| 164  | 21.4     | CHTML browser supported   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C236 AND C264 |         | PD_CHTML      |
| 165  | 21.5     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_165    |
| 166  | 21.6     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_166    |
| 167  | 21.7     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_167    |
| 168  | 21.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_168    |
| 169  | 22.1     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X             |         | Reserved      |
| 170  | 22.2     | PROVIDE LOCAL INFORMATION (Battery state) if class 'g' is supported | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | TBD           |         |               |
| 171  | 22.3     | PLAY TONE (Melody tones & themed tones supported)                   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | TBD           |         |               |
| 172  | 22.4     | Multi-media Calls in SET UP CALL supported (if class 'h' supported) | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | TBD           |         |               |
| 173  | 22.5     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X             |         | Reserved      |
| 174  | 22.6     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_174    |
| 175  | 22.7     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_175    |
| 176  | 22.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_176    |
| 177  | 23.1     | SET FRAMES supported (if class 'i' supported)                       | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C237 AND C264 |         | PD_Frames     |
| 178  | 23.2     | GET FRAMES STATUS supported (if class 'i' supported)                | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C237 AND C264 |         | PD_Frames     |
| 179  | 23.3     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_179    |
| 180  | 23.4     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_180    |
| 181  | 23.5     | Reserved by 3GPP (Geographical Location Reporting)                  | ETSI TS 102 223 [1], clause 5.2 | Rel-8   | X             |         | Reserved      |
| 182  | 23.6     | Reserved for 3GPP2: PROVIDE LOCAL INFORMATION (MEID)                | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X             |         | Reserved      |
| 183  | 23.7     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X             |         | Reserved      |
| 184  | 23.8     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X             |         | Reserved      |
| 185  | 24.1     | Maximum number of frames supported (if class 'i' supported)         | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C256 AND C264 |         | PD_Max_Frames |
| 186  | 24.2     | Maximum number of frames supported (if class 'i' supported)         | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C256 AND C264 |         | PD_Max_Frames |
| 187  | 24.3     | Maximum number of frames supported (if class 'i' supported)         | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C256 AND C264 |         | PD_Max_Frames |
| 188  | 24.4     | Maximum number of frames supported (if class 'i' supported)         | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C256 AND C264 |         | PD_Max_Frames |
| 189  | 24.5     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_189    |
| 190  | 24.6     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_190    |
| 191  | 24.7     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_191    |
| 192  | 24.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_192    |
| 193  | 25.1     | Event: browsing status  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | TBD           |         |               |
| 194  | 25.2     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X             |         | PD_RFU_194    |

| Item | Byte.bit | Terminal Profile  | Ref.                            | Release | Status                 | Support | Mnemonic             |
|------|----------|---|---------------------------------|---------|------------------------|---------|----------------------|
| 195  | 25.3     | Event Frame parameters changed (if class 'i' supported)       | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C237 AND C264          |         | PD_Event_Frames      |
| 196  | 25.4     | Reserved by 3GPP (Event: I-WLAN Access status)                | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | X                      |         | Reserved             |
| 197  | 25.5     | Reserved by 3GPP (Event: Network Rejection)                   | ETSI TS 102 223 [1], clause 5.2 | Rel-8   | X                      |         | Reserved             |
| 198  | 25.6     | Event: HCI connectivity (i.e. class "m" is supported)         | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | C262                   |         | PD_HCI_Connectivity  |
| 199  | 25.7     | Reserved by 3GPP (E-UTRAN support in Event Network Rejection) | ETSI TS 102 223 [1], clause 5.2 | Rel-8   | X                      |         | Reserved             |
| 200  | 25.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-4   | X                      |         | PD_RFU_200           |
| 201  | 26.1     | Event: Contactless state request (if class "r" is supported)  | ETSI TS 102 223 [1], clause 5.2 | Rel-9   | C271 AND C264 AND C265 |         | PD_CL_State_CR       |
| 202  | 26.2     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_202           |
| 203  | 26.3     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_203           |
| 204  | 26.4     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_204           |
| 205  | 26.5     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_205           |
| 206  | 26.6     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_206           |
| 207  | 26.7     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_207           |
| 208  | 26.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_208           |
| 209  | 27.1     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_209           |
| 210  | 27.2     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_210           |
| 211  | 27.3     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_211           |
| 212  | 27.4     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_212           |
| 213  | 27.5     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_213           |
| 214  | 27.6     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_214           |
| 215  | 27.7     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_215           |
| 216  | 27.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_216           |
| 217  | 28.1     | Alignment left supported by Terminal                          | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C243 AND C264          |         | PD Text_Attrib_Left  |
| 218  | 28.2     | Alignment center supported by Terminal                        | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C244 AND C264          |         | PD Text_Attrib_Cent  |
| 219  | 28.3     | Alignment right supported by Terminal                         | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C245 AND C264          |         | PD Text_Attrib_Right |
| 220  | 28.4     | Font size normal supported by Terminal                        | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C246 AND C264          |         | PD Text_Attrib_Norm  |
| 221  | 28.5     | Font size large supported by Terminal                         | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C247 AND C264          |         | PD Text_Attrib Large |
| 222  | 28.6     | Font size small supported by Terminal                         | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C248 AND C264          |         | PD Text_Attrib Small |
| 223  | 28.7     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_223           |
| 224  | 28.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_224           |

| Item | Byte.bit | Terminal Profile  | Ref.                            | Release | Status                 | Support | Mnemonic                             |
|------|----------|---|---------------------------------|---------|------------------------|---------|--------------------------------------|
| 225  | 29.1     | Style normal supported by Terminal  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C249 AND C264          |         | PD_Text_Attrib Styl_Norm             |
| 226  | 29.2     | Style bold supported by Terminal  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C250 AND C264          |         | PD_Text_Attrib Styl_Bold             |
| 227  | 29.3     | Style italic supported by Terminal  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C251 AND C264          |         | PD_Text_Attrib Styl_Italic           |
| 228  | 29.4     | Style underlined supported by Terminal  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C252 AND C264          |         | PD_Text_Attrib Styl_Underl           |
| 229  | 29.5     | Style strikethrough supported by Terminal   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C253 AND C264          |         | PD_Text_Attrib Styl_Strik            |
| 230  | 29.6     | Style text foreground colour supported by Terminal                                  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C254 AND C264          |         | PD_Text_Attrib Styl_Text_Fore        |
| 231  | 29.7     | Style text background colour supported by Terminal                                  | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | C255 AND C264          |         | PD_Text_Attrib Styl_Text_Back        |
| 232  | 29.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-6   | X                      |         | PD_RFU_224                           |
| 233  | 30.1     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | X                      |         | Reserved                             |
| 234  | 30.2     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | X                      |         | Reserved                             |
| 235  | 30.3     | TERMINAL APPLICATIONS(i.e. class "k" is supported)                                  | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | C260                   |         | PD_Terminal_Applications             |
| 236  | 30.4     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | X                      |         | Reserved                             |
| 237  | 30.5     | ACTIVATE (i.e. class "l" is supported)  | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | C261                   |         |                                      |
| 238  | 30.6     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-7   | X                      |         | Reserved                             |
| 239  | 30.7     | PROVIDE LOCAL INFORMATION (Broadcast Network Information) if class "o" is supported | ETSI TS 102 223 [1], clause 5.2 | Rel-8   | C263                   |         | PD_Broadcast_Network                 |
| 240  | 30.8     | Reserved by 3GPP  | ETSI TS 102 223 [1], clause 5.2 | Rel-8   | TBD                    |         |                                      |
| 241  | 31.1     | Proactive UICC: Contactless State Changed (if class "r" is supported)               | ETSI TS 102 223 [1], clause 5.2 | Rel-9   | C271 AND C264 AND C265 |         | PD_CL_State_CR                       |
| 242  | 31.2     | Reserved by 3GPP (Support of CSG cell discovery)                                    | ETSI TS 102 223 [1], clause 5.2 | Rel-9   | X                      |         | Reserved                             |
| 243  | 31.3     | Confirmation parameters supported for OPEN CHANNEL in Terminal Server Mode          | ETSI TS 102 223 [1], clause 5.2 | Rel-10  | C272 AND C264 AND C265 |         | PD_Terminal_ServerMode_Confirm_Param |
| 244  | 31.4     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-9   | X                      |         | PD_RFU_244                           |
| 245  | 31.5     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-9   | X                      |         | PD_RFU_245                           |
| 246  | 31.6     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-9   | X                      |         | PD_RFU_246                           |
| 247  | 31.7     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-9   | X                      |         | PD_RFU_247                           |
| 248  | 31.8     | RFU   | ETSI TS 102 223 [1], clause 5.2 | Rel-9   | X                      |         | PD_RFU_248                           |



|      |  |  |
|------|--|--|
| C201 | [Void]   | -- [Void]  |
| C202 | [Void]   | -- [Void]  |
| C203 | IF A.1/3 THEN M  | -- O_Ucs2_Entry  |
| C204 | IF A.1/15 THEN M   | -- O_Ucs2_Dispatch   |
| C205 | [Void]   | -- [Void]  |
| C206 | IF A.1/7 THEN M  | -- O_Dual_Slot   |
| C207 | IF A.1/12 THEN M   | -- O_BIP_CSD   |
| C208 | IF (A.1/7 AND A.1/8) THEN M  | -- O_Dual_Slot AND O_Detach_Rdr  |
| C209 | IF A.1/9 THEN M  | -- O_Run_At  |
| C210 | [Void]   | -- [Void]  |
| C211 | [Void]   | -- [Void]  |
| C212 | IF A.1/10 THEN M   | -- O_LB  |
| C213 | IF A.1/11 THEN M   | -- O_Softkey   |
| C214 | IF C213 THEN bit values "0"/"1" allowed  | -- O_Softkey (parameters)  |
| C215 | [Void]   | -- [Void]  |
| C216 | IF A.1/13 THEN M   | -- O_Scr_Siz   |
| C217 | IF C216 THEN bit values "0"/"1" allowed  | -- O_Scr_Siz (parameters)  |
| C218 | IF A.1/14 THEN M   | -- O_Scr_Resiz   |
| C219 | IF C218 THEN bit values "0"/"1" allowed  | -- O_Scr_Resiz (parameters)  |
| C220 | IF A.1/18 THEN M   | -- O_TCP   |
| C221 | IF A.1/17 THEN M   | -- O_UDP   |
| C222 | [Void]   | -- [Void]  |
| C223 | IF (C207 OR C222) THEN M   | -- O_BIP   |
| C224 | IF (C223 AND A.1/26) THEN M  | -- O_BIP AND O_BIP_Local   |
| C225 | IF (C224 AND A.1/27) THEN M  | -- O_BIP_BT  |
| C226 | IF (C224 AND A.1/28) THEN M  | -- O_BIP_IrDA  |
| C227 | IF (C224 AND A.1/29) THEN M  | -- O_BIP_RS232   |
| C228 | IF (A.1/44 OR A.1/45 OR A.1/46 OR A.1/47 OR A.1/48 OR A.1/49 OR A.1/50 OR A.1/51 OR A.1/52 OR A.1/53 OR A.1/54 OR A.1/55 OR A.1/56) THEN M | -- 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 |
| C229 | IF A.1/24 THEN M   | -- O_Duration  |
| C230 | IF A.1/23 THEN M   | -- O_Imm_Resp  |
| C231 | IF (C229 OR C230) AND A.1/5 THEN M   | -- O_Help AND (O_Duration OR O_Imm_Resp)   |
| C232 | IF A.1/30 THEN M   | -- O_USB   |
| C233 | IF A.1/31 THEN M   | -- O_WML   |
| C234 | IF A.1/32 THEN M   | -- O_XHTML   |
| C235 | IF A.1/33 THEN M   | -- O_HTML  |
| C236 | IF A.1/34 THEN M   | -- O_CHTML   |
| C237 | IF A.1/37 THEN M   | -- O_Frames  |
| C238 | [Void]   | -- [Void]  |
| C239 | IF A.1/35 THEN M   | -- O_Batt  |
| C240 | IF A.1/36 THEN M   | -- O_Xmedia Call   |
| C241 | IF A.1/29 THEN M   | -- O_Tones   |
| C242 | [Void]   | -- [Void]  |
| C243 | IF A.1/44 THEN M   | -- O_TAT_AL  |
| C244 | IF A.1/45 THEN M   | -- O_TAT_AC  |
| C245 | IF A.1/46 THEN M   | -- O_TAT_AR  |
| C246 | IF A.1/47 THEN M   | -- O_TAT_FSN   |
| C247 | IF A.1/48 THEN M   | -- O_TAT_FSL   |
| C248 | IF A.1/49 THEN M   | -- O_TAT_FSS   |
| C249 | IF A.1/50 THEN M   | -- O_TAT_SN  |
| C250 | IF A.1/51 THEN M   | -- O_TAT_SB  |
| C251 | IF A.1/52 THEN M   | -- O_TAT_SI  |
| C252 | IF A.1/53 THEN M   | -- O_TAT_SU  |
| C253 | IF A.1/54 THEN M   | -- O_TAT_SS  |
| C254 | IF A.1/55 THEN M   | -- O_TAT_STFC  |
| C255 | IF A.1/56 THEN M   | -- O_TAT_STFB  |
| C256 | IF C237 THEN M for at least one of the bits 1 - 4 of byte 24   | -- O_Frames  |
| C257 | IF A.1/58 THEN M   | -- O_TCP_UICC_ServerMode   |
| C258 | IF A.1/61 THEN M   | -- O_TCP_Terminal_ServerMode   |
| C259 | IF A.1/62 THEN M   | -- O_UDP_Terminal_ServerMode   |
| C260 | IF A.1/63 THEN M   | -- O_Terminal_Applications   |
| C261 | IF A.1/64 THEN M   | -- O_Activate  |

|  |                           |  |
|--|---------------------------|--|
| C262   | IF A.1/65 THEN M          | -- O_HCI_Connectivity_Event            |
| C263   | IF A.1/66 THEN M          | -- O_Broadcast_Network                 |
| C264   | IF A.1/67 THEN M ELSE O.1 | -- O_No_Type_ND                        |
| C265   | IF A.1/68 THEN M ELSE O.1 | -- O_No_Type_NK                        |
| C266   | IF A.1/69 THEN M ELSE O.1 | -- O_No_Type_NA                        |
| C267   | IF A.1/70 THEN M ELSE O.1 | -- O_No_Type_NS                        |
| C268   | IF A.1/71 THEN M ELSE O.1 | -- O_No_Type_NL                        |
| C269   | IF NOT A.1/67 THEN M      | -- O_Type_ND                           |
| C270   | IF NOT A.1/68 THEN M      | -- O_Type_NK                           |
| C271   | IF A.1/72 THEN M          | -- O_CL_State_CR                       |
| C272   | IF A.1/73 THEN M          | -- O_Terminal_ServerMode_Confirm_Param |
| O.1 Allowed: Bit value = "0" or bit not present  |                           |  |
| Comments:<br>This static requirement for the TERMINAL PROFILE is specifying the bit coding of this command. In the support column a "Yes" (or "Y" or "y") means bit coding "1" and a "No" (or "N" or "n") and "X" means bit coding "0" in the command. |                           |  |

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## Annex C (informative): Bibliography

- ETSI TS 102 221: "Smart Cards; UICC-Terminal interface; Physical and logical characteristics".

## Annex D (informative): Change history

The table below indicates all change requests that have been incorporated into the present document since it was created by TC SCP.

| Change history |         |             |     |     |     |  |       |       |
|----------------|---------|-------------|-----|-----|-----|--|-------|-------|
| Date           | Meeting | Doc         | CR  | Rev | Cat | Subject/Comment  | Old   | New   |
| 2005-05        | SCP#21  | SCP-050135  |     |     |     | spec was approved during SCP-Plenary#21  | 2.0.0 | 6.0.0 |
| 2005-09        | SCP#22  | SCP-050298  | 001 |     | F   | Essential corrections in display icons Setup Menu and Select Item                        | 6.0.0 | 6.1.0 |
|                |         | SCP-050299  | 002 |     | F   | Correction of option, applicability and terminal profile support tables                  |       |       |
|                |         | SCP-050300  | 003 |     | F   | Correction to UCS2 Tests   |       |       |
| 2005-12        | SCP#23  | SCP-050495  | 004 |     | F   | Essential corrections of Set Up Menu test  | 6.1.0 | 6.2.0 |
|                |         | SCP-050496  | 005 |     | F   | TS 102 384: Essential corrections to Select Item (icons support)                         |       |       |
|                |         | SCP-050497  | 006 |     | F   | Essential correction of applicability table  |       |       |
|                |         | SCP-050499  | 007 |     | F   | Essential correction of replacing USIM/SIM related application to a generic application  |       |       |
| 2006-07        | SCP#26  | SCP-060297  | 009 |     | F   | Essential correction of IMEISV coding for the Provide Local Information                  | 6.2.0 | 6.3.0 |
|                |         | SCP-060298  | 010 |     | F   | Essential correction of Language Selection Event test                                    |       |       |
|                |         | SCP-060299  | 011 |     | F   | Essential correction of Set Up Menu - Text attribute tests                               |       |       |
|                |         | SCP-060300  | 012 |     | F   | Essential correction of RUN AT Command for text attribute tests                          |       |       |
|                |         | SCP-060301  | 013 |     | F   | Essential correction of tables B.1 and E.1   |       |       |
|                |         | SCP-060302  | 014 |     | F   | Essential correction of 27.22.4.8.7, seq. 7.1  |       |       |
|                |         | SCP-060303  | 015 |     | F   | Essential correction of 27.22.4.9.10, seq. 10.1  |       |       |
|                |         | SCP-060304  | 016 |     | F   | Essential correction of Set Up Idle Mode Text for text attribute tests                   |       |       |
|                |         | SCP-060305  | 017 |     | F   | Collection of essential corrections required for the split of 3GPP TS 31.124             |       |       |
| 2006-09        | SCP#27  | SCP-060479  | 019 |     | F   | Essential correction of RUN AT Command for text attribute tests                          | 6.3.0 | 6.4.0 |
|                |         | SCP-060480  | 020 |     | F   | Corrections in the interpretation of Katakana Character                                  |       |       |
|                |         | SCP-060481  | 021 |     | F   | Correction of various typographical errors   |       |       |
|                |         | SCP-060482  | 022 |     | F   | Corrections in SET UP MENU tests   |       |       |
|                |         | SCP-060483  | 023 |     | F   | Essential correction of GET INPUT test   |       |       |
|                |         | SCP-060484  | 024 |     | F   | Correction of GET INKEY test   |       |       |
| 2007-01        | SCP#29  | SCP-07066   | 025 |     | F   | Essential correction to 27.22.4.8.7  | 6.4.0 | 6.5.0 |
|                |         | SCP-07066   | 026 |     | F   | Essential correction to Get Inkey - Variable timeout test                                |       |       |
| 2008-01        | SCP#35  | SCP-080053  | 027 |     | F   | Correction of DISPLAY TEXT (Variable Time out) test                                      | 6.5.0 | 6.6.0 |
| 2008-07        | SCP#38  | SCP-080338  | 029 |     | F   | Essential correction of test 27.22.4.15 Seq. 1.11  | 6.5.0 | 6.6.0 |
| 2008-07        | SCP#38  | SCP-080338  | 028 |     | B   | Addition of UICC server mode test cases  | 6.6.0 | 7.0.0 |
| 2010-03        | SCP#44  | SCP(10)0010 | 030 |     | F   | Corrections to BIP - UICC in server mode tests   | 7.0.0 | 7.1.0 |
| 2010-10        | SCP#46  | SCP(10)0220 | 032 |     | F   | Essential correction of test 27.22.4.9.3   | 7.1.0 | 7.2.0 |
| 2010-10        | SCP#47  | SCP(11)0009 | 033 |     | F   | UICC Server Mode test cases: addition of buffer size option                              | 7.2.0 | 7.3.0 |
| 2010-10        | SCP#47  | SCP(11)0010 | 034 |     | F   | BIP - UICC in server mode tests: correction of Event Download - Channel Status Envelopes | 7.2.0 | 7.3.0 |
| 2010-10        | SCP#47  | SCP(11)0011 | 035 |     | F   | Removal of UICC Server Mode test OPEN CHANNEL 6.3  | 7.2.0 | 7.3.0 |

| Change history |         |                 |     |     |     |  |        |        |
|----------------|---------|-----------------|-----|-----|-----|--|--------|--------|
| Date           | Meeting | Doc             | CR  | Rev | Cat | Subject/Comment  | Old    | New    |
| 2010-10        | SCP#47  | SCP(11)0012r1   | 036 | 1   | F   | Correction of GET CHANNEL STATUS (related to UICC server mode) test cases                            | 7.2.0  | 7.3.0  |
| 2010-10        | SCP#47  | SCP(11)0013     | 037 |     | F   | Correction of Channel Status event (related to UICC server mode) test case                           | 7.2.0  | 7.3.0  |
| 2011-03        | SCP#48  | SCP(11)0099     | 038 |     | F   | Introduction to Launch application envelop and Open channel Terminal mode tests                      | 7.2.0  | 7.3.0  |
| 2011-09        | SCP#52  | SCP(11)0295     | 039 |     | F   | Correction of GET INKEY with variable timeout test case  | 7.3.0  | 7.4.0  |
| 2012-03        | SCP#54  | SCP(12)000026   | 040 |     | F   | Missing chapter for Display parameter changed event  | 7.4.0  | 7.5.0  |
| 2012-03        | SCP#54  | SCP(12)000023r1 | 041 |     | B   | Introduction of test case for the Activate command   | 7.4.0  | 7.5.0  |
| 2012-03        | SCP#54  | SCP(12)000025   | 042 |     | B   | Introduction of test case for the HCI connectivity event   | 7.4.0  | 7.5.0  |
| 2012-09        | SCP#56  | SCP(12)000168   | 043 |     | B   | 3GPP terminal profile value reservation for releases 6, 7 and 8                                      | 7.5.0  | 8.0.0  |
| 2012-09        | SCP#56  | SCP(12)000169   | 044 |     | B   | Reduced capability terminals test applicability  | 7.5.0  | 8.0.0  |
| 2012-09        | SCP#56  | SCP(12)000170   | 045 |     | B   | Addition of tests for Location Information for Broadcast technologies                                | 7.5.0  | 8.0.0  |
| 2013-03        | SCP#58  | SCP(13)000020   | 046 |     | D   | Annex B upgrade  | 8.0.0  | 9.0.0  |
| 2013-03        | SCP#58  | SCP(13)000021   | 047 |     | B   | Introduction of test cases for Contactless State Change/Request                                      | 8.0.0  | 9.0.0  |
| 2013-06        | SCP#59  | SCP(13)000094   | 048 |     | B   | Tests for Open Channel terminal server mode with user confirmation                                   | 9.0.0  | 10.0.0 |
| 2013-09        | SCP#60  | SCP(13)000125   | 049 |     | D   | Port number coding alignment   | 10.0.0 | 10.1.0 |
| 2013-10        | SCP#61  | SCP(13)000208   | 050 |     | F   | Correction of TC 27.22.4.33 and TC 27.22.7.19  | 10.1.0 | 10.2.0 |
|                |         | SCP(13)000207   | 051 |     | D   | Applicability table reformatting   | 10.1.0 | 10.2.0 |
|                |         | SCP(13)000209   | 052 |     | F   | Modification of test case 27.22.7.18   | 10.1.0 | 10.2.0 |
| 2014-12        | SCP#66  | SCP(14)000297   | 053 |     | F   | Essential correction of mismatch between proactive command coding and expected text to be displayed. | 10.1.0 | 10.2.0 |

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# History

| <b>Document history</b> |                |             |
|-------------------------|----------------|-------------|
| V10.0.0                 | July 2013      | Publication |
| V10.1.0                 | September 2013 | Publication |
| V10.2.0                 | March 2015     | Publication |
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