Smart Cards;
UICC-Terminal interface;
Card Application Toolkit (CAT) conformance specification
(Release 6)
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Foreword

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

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Version x.y.z

where:

x the first digit:
0 early working draft;
1 presented to EP SCP for information;
2 presented to EP SCP for approval;
3 or greater indicates EP 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.

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 TS 131 124 [9].
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 is valid for Terminal implemented according to ETSI TS Release 4, or Release 5 or Release 6.

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 shall prevail.

2 References

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

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to an EP 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.

[1] ETSI TS 102 223: "Smart cards; Card Application Toolkit (CAT)".


[5] ETSI TS 124 008: "Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); 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); AT command set for User Equipment (UE) (3GPP TS 27.007)".
3 Definitions and abbreviations

3.1 Terminal definition and configurations

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

3.2.2 Applicability of the individual tests

Table B.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 this present document shall apply.

See table A.1.

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 shall 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 shall 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 shows 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 an unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax "IF ... THEN (IF ... THEN ... ELSE...) ELSE..." shall be used to avoid ambiguities.

References to items

For each possible item answer (answer in the support column) there exists a unique reference, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character "/", followed by the item number in the table. If there is more than one support column in a table, the columns shall be discriminated by letters (a, b, etc.), respectively.

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

Support of 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 shall state the support of possible options in table A.1.

<table>
<thead>
<tr>
<th>Item</th>
<th>Option</th>
<th>Status</th>
<th>Support</th>
<th>Mnemonic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Capability Configuration parameter</td>
<td>M</td>
<td>O_Cap_Conf</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Sustained text</td>
<td>M</td>
<td>O_sust_text</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UCS2 coding scheme for Entry</td>
<td>O</td>
<td>O_Ucs2_Entry</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Extended Text String</td>
<td>M</td>
<td>O_Ext_Str</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Help information</td>
<td>O</td>
<td>O_Help</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Icons</td>
<td>O</td>
<td>O_Icons</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Class A: Dual Slot</td>
<td>O</td>
<td>O_Dual_Slot</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Detachable reader</td>
<td>O</td>
<td>O_Detach_Rdr</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Class B: RUN AT</td>
<td>O</td>
<td>O_Run_At</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Class C: LAUNCH BROWSER</td>
<td>O</td>
<td>O_LB</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Class D: Soft keys</td>
<td>O</td>
<td>O_Soft_key</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Class E: B.I.P related to CSD</td>
<td>O</td>
<td>O_BIP_CSD</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Screen sizing parameters</td>
<td>O</td>
<td>O_Scr_Siz</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Screen Resizing</td>
<td>O</td>
<td>O_Scr_Resiz</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UCS2 coding scheme for Display</td>
<td>O</td>
<td>O_Ucs2_Disp</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal supporting GPRS</td>
<td>O</td>
<td>O_GPRS</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal supporting UDP</td>
<td>O</td>
<td>O_UDP</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal supporting TCP</td>
<td>O</td>
<td>O_TCP</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Redial in Set Up Call</td>
<td>O</td>
<td>O_Redial</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal decision to respond with “No response from user” in finite time</td>
<td>O</td>
<td>O_D_NoResp</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Class E: B.I.P related to GPRS</td>
<td>O</td>
<td>O_BIP_GPRS</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal supporting Called Party Subaddress</td>
<td>O</td>
<td>O_CP_Subaddr</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Immediate response</td>
<td>O</td>
<td>O_Imm_Resp</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Variable Timeout</td>
<td>O</td>
<td>O_Duration</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Text Attribute</td>
<td>O</td>
<td>O_Text_Attrib</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Class F: B.I.P related to local bearer</td>
<td>O</td>
<td>O_BIP_Local</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>BlueTooth Support</td>
<td>O</td>
<td>O_BT</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>IrDA Support</td>
<td>O</td>
<td>O_IrDA</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>RS232 Support</td>
<td>O</td>
<td>O_RS232</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>USB Support</td>
<td>O</td>
<td>O_USB</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>WML Browser Support</td>
<td>O</td>
<td>O_WML</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>XHTML Browser Support</td>
<td>O</td>
<td>O_XHTML</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>HTML Browser Support</td>
<td>O</td>
<td>O_HTML</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>CHTML Browser Support</td>
<td>O</td>
<td>O_CHTML</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Class G: Battery Data</td>
<td>O</td>
<td>O_Batt</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Class H: Multimedia Call support</td>
<td>O</td>
<td>O_Xmedia_Call</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>Class I: Frame support</td>
<td>O</td>
<td>O_Frames</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>Class J: Multimedia Support</td>
<td>O</td>
<td>O_MMS</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>Void</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>Void</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>UCS2 in Cyrillic</td>
<td>O</td>
<td>O_UCS2_Cyrillic</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>UCS2 in Chinese</td>
<td>O</td>
<td>O_UCS2_Chinese</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>UCS2 in Katakana</td>
<td>O</td>
<td>O_UCS2_Katakana</td>
<td></td>
</tr>
</tbody>
</table>
### 3.4 Applicability table

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Release</th>
<th>Test sequence(s)</th>
<th>Rel-4 Terminal</th>
<th>Rel-5 Terminal</th>
<th>Rel-6 Terminal</th>
<th>Terminal Profile</th>
<th>Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PROFILE DOWNLOAD</td>
<td>Rel-4</td>
<td>1</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Contents of the TERMINAL PROFILE command 27.22.2</td>
<td>Rel-4</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Servicing of Proactive USIM Commands</td>
<td>Rel-4</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>DISPLAY TEXT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unpacked</td>
<td>Rel-4</td>
<td>4</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Screen busy</td>
<td>Rel-4</td>
<td>1.3</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>high priority</td>
<td>Rel-4</td>
<td>1.1</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Packed</td>
<td>Rel-4</td>
<td>1.5</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>clear after delay</td>
<td>Rel-4</td>
<td>1.6</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>long text up to 160 bytes</td>
<td>Rel-4</td>
<td>1.7</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Backwards move in USIM session</td>
<td>Rel-4</td>
<td>2.1</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Session terminated by user</td>
<td>Rel-4</td>
<td>2.2</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Command not understood by Terminal</td>
<td>Rel-4</td>
<td>2.3</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>no response from user</td>
<td>Rel-4</td>
<td>2.4</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Extension Text</td>
<td>Rel-4</td>
<td>3.1</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17 AND E.1/16</td>
<td></td>
</tr>
<tr>
<td></td>
<td>sustained text</td>
<td>Rel-4</td>
<td>4.1, 4.2, 4.3, 4.4</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17 AND E.1/65</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Icons</td>
<td>Rel-4</td>
<td>4.5</td>
<td>C108</td>
<td>C108</td>
<td>C108</td>
<td>E.1/17</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UCS2 display in Cyrillic</td>
<td>Rel-4</td>
<td>4.6</td>
<td>C118</td>
<td>C118</td>
<td>C118</td>
<td>E.1/17 AND E.1/15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Variable Timeout</td>
<td>Rel-4</td>
<td>4.7</td>
<td>C126</td>
<td>C126</td>
<td>C126</td>
<td>E.1/17 AND E.1/137</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Text attribute</td>
<td>Rel-5</td>
<td>4.8</td>
<td>8.1 to 8.10</td>
<td>C127</td>
<td>C127</td>
<td>E.1/17 AND E.1/124</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UCS2 display in Chinese</td>
<td>Rel-4</td>
<td>4.9</td>
<td>C143</td>
<td>C143</td>
<td>C143</td>
<td>E.1/17 AND E.1/15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UCS2 display in Katakana</td>
<td>Rel-4</td>
<td>4.10</td>
<td>C145</td>
<td>C145</td>
<td>C145</td>
<td>E.1/17 AND E.1/15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Frames</td>
<td>Rel-5</td>
<td>4.11</td>
<td>TBD</td>
<td>C133</td>
<td>C133</td>
<td>E.1/17 AND E.1/177 AND E.1/178</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
<td>Release</td>
<td>Test sequence(s)</td>
<td>Rel-4 Terminal</td>
<td>Rel-5 Terminal</td>
<td>Rel-6 Terminal</td>
<td>Terminal Profile</td>
<td>Support</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>---------</td>
<td>-----------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
<td>-----------------</td>
<td>---------</td>
</tr>
<tr>
<td>5</td>
<td>GET INKEY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E.1/18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>prompt unpacked</td>
<td>Rel-4</td>
<td>1.1</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>prompt packed</td>
<td>Rel-4</td>
<td>1.2</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>digits only</td>
<td>Rel-4</td>
<td>1.1</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Backwards move in UICC session</td>
<td>Rel-4</td>
<td>1.3</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Session terminated by user</td>
<td>Rel-4</td>
<td>1.4</td>
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## Release 6

### 12 SELECT ITEM

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### 13 SEND SMS

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<td>Rel-6 Terminal</td>
<td>Terminal Profile</td>
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<td>47</td>
<td>Void</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>SET FRAMES</td>
<td>Rel-6</td>
<td>TBD</td>
<td>C133</td>
<td>E.1/177</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>GET FRAME STATUS</td>
<td>Rel-6</td>
<td>TBD</td>
<td>C133</td>
<td>E.1/178</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>Handling of command number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DISPLAY TEXT normal priority</td>
<td>Rel-4</td>
<td>1.1</td>
<td>M</td>
<td>M</td>
<td>M</td>
<td>E.1/17</td>
<td></td>
</tr>
</tbody>
</table>

C101 IF A.1/1 THEN M ELSE N/A -- O.Cap_Conf

C102 void

C103 void

C104 IF A.1/2 THEN M ELSE N/A -- O.Sust_text

C105 IF A.1/3 AND A.1/41 THEN M ELSE N/A -- O.Ucs2_Entry_Cyrillic

C106 IF A.1/4 THEN M ELSE N/A -- O.Ext_Str

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 THEN M ELSE N/A -- O.Run_At

C111 IF A.1/10 THEN M ELSE N/A -- O.LB

C112 IF A.1/11 THEN M ELSE N/A -- O.Soft_key

C113 IF A.1/12 THEN M ELSE N/A -- O.BIP_CSD

C114 IF C110 AND C108 THEN M ELSE N/A -- O.Run_At AND O.Icons

C115 IF C111 AND C108 THEN M ELSE N/A -- O.LB AND O.Icons

C116 IF C105 AND A.1/8 THEN M ELSE N/A -- O.Dual_Slot AND ODetach_Rdr

C117 void

C118 IF A.1/15 AND A.1/41 THEN M ELSE N/A -- O.Ucs2_Disp_Cyrillic

C119 IF A.1/19 THEN M ELSE N/A -- O.Redial

C120 IF A.1/20 THEN M ELSE N/A -- O.D.NoResp

C121 IF A.1/21 AND A.1/17 THEN M ELSE N/A -- O.BIP_GPRS AND O.UDP

C122 IF C111 AND A.1/16 THEN M ELSE N/A -- O.LB AND O.GPRS

C123 void

C124 IF A.1/22, test x.A M ELSE x.B M (where x is the expected sequence number value) -- O_CP_Subaddr

C125 IF A.1/23 THEN M ELSE N/A -- O.Imm_Resp

C126 IF A.1/24 THEN M ELSE N/A -- O.Duration

C127 IF A.1/25 THEN M ELSE N/A -- O.Text_Attrib

C128 void

C129 IF C110 AND C108 THEN M ELSE N/A -- O.Run_At AND O.Icons

C130 IF C111 AND C108 THEN M ELSE N/A -- O.LB AND O.Icons

C131 IF C121 AND C127 THEN M ELSE N/A -- O.BIP_GPRS AND O.Text_Attrib

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
<table>
<thead>
<tr>
<th>C134</th>
<th>IF A.1/38 THEN M ELSE N/A</th>
<th>-- O_MMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>C135</td>
<td>IF C110 AND C133 THEN M ELSE N/A</td>
<td>-- O_Run-At AND O_Frames</td>
</tr>
<tr>
<td>C136</td>
<td>IF C111 AND C133 THEN M ELSE N/A</td>
<td>-- O_LB AND O_Frames</td>
</tr>
<tr>
<td>C137</td>
<td>IF A.1/12 AND C133 THEN M ELSE N/A</td>
<td>-- O_BIP AND O_Frames</td>
</tr>
<tr>
<td>C138</td>
<td>IF A.1/39 THEN M ELSE N/A</td>
<td>-- O_Tones</td>
</tr>
<tr>
<td>C139</td>
<td>IF A.1/35 THEN M ELSE N/A</td>
<td>-- O_Batt</td>
</tr>
<tr>
<td>C140</td>
<td>Void</td>
<td></td>
</tr>
<tr>
<td>C141</td>
<td>Void</td>
<td></td>
</tr>
<tr>
<td>C142</td>
<td>IF A.1/3 AND A.1/42 THEN M ELSE N/A</td>
<td>-- O_UCS2_Entry_Chinese</td>
</tr>
<tr>
<td>C143</td>
<td>IF A.1/15 AND A.1/42 THEN M ELSE N/A</td>
<td>-- O_UCS2_Disp_Chinese</td>
</tr>
<tr>
<td>C144</td>
<td>IF A.1/3 AND A.1/43 THEN M ELSE N/A</td>
<td>-- O_UCS2_Entry_Katakana</td>
</tr>
<tr>
<td>C145</td>
<td>IF A.1/15 AND A.1/43 THEN M ELSE N/A</td>
<td>-- O_UCS2_Disp_Katakana</td>
</tr>
<tr>
<td>O.1</td>
<td>IF (the Terminal supports icons as defined in record 1 of EF(_{\text{IMG}}), tests x.1A M ELSE tests x.1B M (where x is the expected sequence number value)</td>
<td></td>
</tr>
<tr>
<td>O.2</td>
<td>IF the Terminal supports icons as defined in record 2 of EF(_{\text{IMG}}), tests x.2A M ELSE x.2B M (where x is the expected sequence number value)</td>
<td></td>
</tr>
<tr>
<td>O.3</td>
<td>void</td>
<td></td>
</tr>
</tbody>
</table>
3.5 Conventions for mathematical notations

The conventions for mathematical notations specified below shall apply.

3.5.1 Mathematical signs

The "plus or minus" sign is expressed by "±".
The sign "multiplied by" is expressed by "×".
The sign "divided by" is expressed by "÷", or the common division bar.
The sign "greater than or equal to" is expressed by "≥".
The sign "less than or equal to" is expressed by "≤".

4 Test equipment

The test equipment 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

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Value</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DISPLAY TEXT No Response from user timeout interval</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>2</td>
<td>GET INKEY No Response from user timeout interval</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>3</td>
<td>GET INPUT No Response from user timeout interval</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>4</td>
<td>SELECT ITEM No Response from user timeout interval</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>5</td>
<td>DISPLAY TEXT Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>6</td>
<td>GET INKEY Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>7</td>
<td>GET INPUT Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>8</td>
<td>PLAY TONE Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>9</td>
<td>SET UP MENU Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>10</td>
<td>SELECT ITEM Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>11</td>
<td>SEND SHORT MESSAGE Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>12</td>
<td>Void</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Void</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>SET UP CALL Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>15</td>
<td>SET UP IDLE MODE TEXT Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>16</td>
<td>RUN AT COMMAND Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>17</td>
<td>SEND DTMF Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>18</td>
<td>LAUNCH BROWSER Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>19</td>
<td>OPEN CHANNEL Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>20</td>
<td>CLOSE CHANNEL Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>21</td>
<td>RECEIVE DATA Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>22</td>
<td>SEND DATA Text Attribute Alignment (Left or Center or Right)</td>
<td></td>
<td>C</td>
</tr>
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<td>23</td>
<td>IMEI</td>
<td></td>
<td>C</td>
</tr>
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<td>24</td>
<td>IMEISV</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>25</td>
<td>ESN</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>26</td>
<td>Additional Card Reader ID</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>27</td>
<td>Channel ID</td>
<td></td>
<td>C</td>
</tr>
</tbody>
</table>

**NOTE:** Conditional values shall be provided if the corresponding option is supported in the table A.1.
6 Implicit testing

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

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

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

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

7 Measurement uncertainty

The measured value relating to the corresponding limit shall be used to determine whether or not a terminal equipment meets the requirement. (ETR 028 [10], 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 RESPONSE 1.1.1A or 1.1.1B |
  | Command 1.1.2 | TERMINAL RESPONSE 1.1.2 |

  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

<table>
<thead>
<tr>
<th>Command 2.1.1</th>
<th>TERMINAL RESPONSE 2.1.1A or 2.1.1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Command 2.1.2</td>
<td>TERMINAL RESPONSE 2.1.2</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Command 2.2.1</th>
<th>TERMINAL RESPONSE 2.2.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Command 2.2.2</td>
<td>TERMINAL RESPONSE 2.2.2 (same as TERMINAL RESPONSE 2.2.1)</td>
</tr>
<tr>
<td>Command 2.2.3</td>
<td>TERMINAL RESPONSE 2.2.3</td>
</tr>
</tbody>
</table>

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 it is NAA dependent.
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 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 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 ICCID (ICCID, 2FE2)**

Logically:

Identification number: 8949000202140000045

Coding:

<table>
<thead>
<tr>
<th>Coding:</th>
<th>98</th>
<th>94</th>
<th>00</th>
<th>20</th>
<th>20</th>
<th>41</th>
<th>00</th>
<th>00</th>
<th>40</th>
<th>F5</th>
</tr>
</thead>
</table>

ETSI
For the display of icon:

- Under the DF Telecom: creation of DF Graphics (5F50);
- Under the DF 5F50: creation of $\text{EF}_\text{Img}$ (4F20, linear fixed file) and $\text{EF}_\text{Instance}$ (4FX, transparent file).

**EF$_\text{Img}$ (Image, 4F20)**

Record 1:

Logically:

- Number of Actual Images Instances: 01
- Image Instance Width: 08
- Image Instance Height: 08
- Image Coding Scheme: 11 (basic image)
- Image Instance File Identifier: 4F 04 (EF$_\text{Instance}$)
- 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
```

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$_\text{Instance}$)
- 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
```

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$_\text{Instance}$)
- 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
```
Record 4:

Logically:

<table>
<thead>
<tr>
<th>Number of Actual Images Instances: 01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image Instance Width: 2E</td>
</tr>
<tr>
<td>Image Instance Height: 28</td>
</tr>
<tr>
<td>Image Coding Scheme: 11 (basic image)</td>
</tr>
<tr>
<td>Image Instance File Identifier: 4F 01 (EFInstance)</td>
</tr>
<tr>
<td>Offset into Image Instance File: 00 00</td>
</tr>
<tr>
<td>Length of Image Instance Data: 00 E8</td>
</tr>
</tbody>
</table>

Coding:

<table>
<thead>
<tr>
<th>Coding:</th>
<th>01</th>
<th>2E</th>
<th>28</th>
<th>11</th>
<th>4F</th>
<th>01</th>
<th>00</th>
<th>00</th>
<th>00</th>
<th>E8</th>
<th>FF</th>
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<td>FF</td>
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</tbody>
</table>

Record 5:

Logically:

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

<table>
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<tr>
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</table>

**EFInstance (4F01)**

Logically:

| Image Instance Data: see below |

Coding:

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<tr>
<th>Coding:</th>
<th>2E</th>
<th>28</th>
<th>00</th>
<th>00</th>
<th>00</th>
<th>00</th>
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</tr>
<tr>
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<td>1A</td>
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<td>80</td>
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<td>BF</td>
<td>F6</td>
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<td>F0</td>
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<td>00</td>
<td>00</td>
<td>00</td>
<td>07</td>
<td>FF</td>
<td>FE</td>
<td>00</td>
<td>00</td>
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<td>03</td>
<td>00</td>
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<tr>
<td></td>
<td>9E</td>
<td>24</td>
<td>4E</td>
<td>E0</td>
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EF\textsubscript{Instance} (4F02)

Logically:

Image Instance Data:

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

Coding:

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<th>08</th>
<th>02</th>
<th>03</th>
<th>00</th>
<th>16</th>
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<th>AA</th>
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</tbody>
</table>

EF\textsubscript{Instance} (4F03)

Logically:

Image Instance Data: see below

Coding:

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<th>01</th>
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</thead>
<tbody>
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<td>01</td>
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</tr>
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<td>F1</td>
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<td>11</td>
<td>8F</td>
<td></td>
</tr>
<tr>
<td>3C</td>
<td>F1</td>
<td>80</td>
<td>00</td>
<td>01</td>
<td>80</td>
<td>00</td>
<td>01</td>
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<td>FF</td>
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</tr>
</tbody>
</table>

EF\textsubscript{Instance} (4F04)

Logically:

Image Instance Data: see below

Coding:

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

EF\textsubscript{Instance} (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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>USER → Terminal</td>
<td>Power on Terminal</td>
<td>UICC Activation.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>Select EF PL</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>Read EF PL</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL PROFILE 1.1</td>
<td>PROFILE DOWNLOAD.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>NORMAL ENDING OF COMMAND 1.1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>Select NAA Application</td>
<td></td>
</tr>
</tbody>
</table>

**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 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:

- 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 must 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.

- 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 RESPONSE 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:

- 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)

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

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>0F</td>
<td>04</td>
<td>54</td>
<td>6F</td>
<td>6F</td>
<td>6C</td>
<td>6B</td>
<td>74</td>
<td>7D</td>
<td>40</td>
<td>54</td>
<td>6D</td>
</tr>
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<td></td>
<td>73</td>
<td>74</td>
<td>20</td>
<td>31</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)

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

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.3.1</td>
<td>The Terminal screen is in a mode other than the normal stand by display.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 1.3.1</td>
<td>High priority.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Toolkit Test 2&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 1.3.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>USER → Terminal</td>
<td>Set the Terminal screen back to normal stand-by display</td>
<td></td>
</tr>
</tbody>
</table>

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"

Codings:

**BER-TLV:**
```
D0 1A 81 03 01 21 80 82 02 82 81 83 02 20
01
```

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:

\[
\text{BER-TLV: } 81 \ 03 \ 01 \ 21 \ 81 \ 82 \ 02 \ 82 \ 81 \ 83 \ 01 \ 00
\]

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 1.4.1</td>
<td>Packed, SMS default alphabet.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Toolkit Test 3&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 1.4.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:

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

**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:

\[
\text{BER-TLV: } 81 \ 03 \ 01 \ 21 \ 80 \ 82 \ 02 \ 82 \ 81 \ 83 \ 01 \ 00
\]
Expected Sequence 1.5 (DISPLAY TEXT, Clear message after delay, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 1.5.1</td>
<td>Clear message after a delay.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “Toolkit Test 4” and clear this message after a short delay</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 1.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → UICC</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal →</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → UICC</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 1.6.1</td>
<td>Text string with 160 bytes - maximum for non extension text.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;This command instructs the Terminal 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&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 1.6.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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 Terminal 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:

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

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 UICC session, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 1.7.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;GO-BACKWARDS&gt;&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Indicate the need to go backwards in the proactive SIM application session</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 1.7.1</td>
<td>Backward move in the proactive UICC session requested by the user.</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: DISPLAY TEXT 1.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>DISPLAY TEXT 1.8.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;ABORT&gt;&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Indicate the need to end the</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>proactive UICC application session</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE:</td>
<td>Proactive UICC session terminated by the user.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DISPLAY TEXT 1.8.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 13 81 03 01 21 80 82 02 81 02 8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>08 04 3C 41 42 4F 52 54 3E</td>
</tr>
</tbody>
</table>

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)

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

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_{IMG}

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
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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 2.1.1</td>
<td>Normal priority, wait for user to clear message, unpacked, 8 bit data.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;TIME-OUT&gt;&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 2.1.1</td>
<td>No response from user within 5 s after the end of that defined period of time.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>16</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0B</td>
<td>04</td>
<td>3C</td>
<td>54</td>
<td>49</td>
<td>4D</td>
<td>45</td>
<td>2D</td>
<td>4F</td>
<td>55</td>
<td>54</td>
<td>3E</td>
</tr>
</tbody>
</table>

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:

- 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)

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

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 Terminal to display a text message and/or an icon (see clause 6.5.4). It allows the SIM to define the priority of that message, and the text string format. Two types of priority are defined: display normal priority text and/"
Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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<th>81</th>
<th>FD</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
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<th>82</th>
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<th>81</th>
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<tr>
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<td>63</td>
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<td>35</td>
</tr>
<tr>
<td></td>
<td>2E</td>
<td>34</td>
<td>29</td>
<td>2E</td>
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<td>49</td>
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<td>6C</td>
<td>6F</td>
<td>6F</td>
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<td></td>
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<td>74</td>
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<tr>
<td></td>
<td>6F</td>
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<td>64</td>
<td>65</td>
<td>66</td>
<td>69</td>
<td>6E</td>
<td>65</td>
<td>20</td>
<td>74</td>
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<td>74</td>
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<td>74</td>
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<td>61</td>
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<td>6D</td>
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<td>20</td>
<td>73</td>
<td>74</td>
<td>72</td>
<td>69</td>
<td>6E</td>
<td>67</td>
<td>20</td>
<td>66</td>
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<tr>
<td></td>
<td>6F</td>
<td>72</td>
<td>6D</td>
<td>61</td>
<td>74</td>
<td>2E</td>
<td>2E</td>
<td>54</td>
<td>77</td>
<td>6F</td>
<td>20</td>
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<td>65</td>
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<td>6F</td>
<td>66</td>
<td>20</td>
<td>70</td>
<td>72</td>
<td>6F</td>
<td>66</td>
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<td></td>
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<td>74</td>
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<td>64</td>
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<td>2D</td>
<td>20</td>
<td>64</td>
<td>69</td>
<td>73</td>
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<td>79</td>
<td>20</td>
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<td>6F</td>
<td>72</td>
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<td>61</td>
<td>6C</td>
<td>20</td>
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<td>79</td>
<td>20</td>
<td>74</td>
<td>65</td>
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<td>74</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>2F</td>
<td>6D</td>
<td>81</td>
<td>03</td>
<td>01</td>
<td>21</td>
<td>80</td>
<td>82</td>
<td>02</td>
</tr>
</tbody>
</table>

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 | 81 | 03 | 01 | 21 | 80 | 82 | 02 |

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:
- 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)

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

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0F</td>
<td>04</td>
<td>54</td>
<td>6F</td>
<td>6F</td>
<td>6C</td>
<td>6B</td>
<td>69</td>
<td>74</td>
<td>20</td>
<td>54</td>
<td>65</td>
</tr>
<tr>
<td></td>
<td>73</td>
<td>74</td>
<td>20</td>
<td>31</td>
<td>AB</td>
<td>00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 4.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 4.2.1</td>
<td>Clear message after a delay.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Toolkit Test 2&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 4.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Toolkit Test 2&quot;</td>
<td>Text shall sustain until - the expiration of a short delay.</td>
</tr>
</tbody>
</table>

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 00

76 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>PENDING: DISPLAY TEXT 4.3.1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 4.3.1</td>
<td>Wait for user to clear message.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Toolkit Test 3&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 4.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display of &quot;Toolkit Test 3&quot;</td>
<td>Text shall sustain until - a user MMI action.</td>
</tr>
<tr>
<td>8</td>
<td>USER → Terminal</td>
<td>Clear message</td>
<td></td>
</tr>
</tbody>
</table>

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 6F 6F 6C 6B 69 74 20 33 AB 00 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:

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

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

**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\(_{IMG}\)

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 5.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 5.1.1 BASIC-ICON, self-explanatory.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Basic Icon&quot; without icon</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 5.1.1B Command performed successfully, but requested icon could not be displayed.</td>
<td></td>
</tr>
</tbody>
</table>

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)

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

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(IMG)

Coding:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>43</td>
<td>6F</td>
<td>6C</td>
<td>6E</td>
<td>75</td>
<td>72</td>
<td>20</td>
<td>49</td>
<td>63</td>
<td>6F</td>
</tr>
<tr>
<td></td>
<td>6E</td>
<td>9E</td>
<td>02</td>
<td>00</td>
<td>02</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 5.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 5.2.1</td>
<td>COLOUR-ICON.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Colour Icon&quot; without the icon</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 5.2.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 5.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 5.3.1</td>
<td>BASIC-ICON, not self-explanatory.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display the BASIC-ICON And Display &quot;Basic Icon&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 5.3.1A</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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 (IMG)

Coding:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0 1A 81 03 01 21 80 82 02 81 02 8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0B 04 42 61 73 69 63 20 49 63 6F 6E</td>
</tr>
<tr>
<td></td>
<td>9E 02 01 01</td>
</tr>
</tbody>
</table>
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:

\[
\text{BER-TLV: } 81 \ 03 \ 01 \ 21 \ 80 \ 82 \ 02 \ 82 \ 81 \ 83 \ 01 \ 00
\]

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

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

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:

\[
\text{BER-TLV: } 81 \ 03 \ 01 \ 21 \ 80 \ 82 \ 02 \ 82 \ 81 \ 83 \ 01 \ 04
\]

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 6.1.1</td>
<td>Normal priority, wait for user to clear message, UCS2 coded.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;ЗДРАВСТВУЙТЕ &quot; &quot;Hello&quot; in Russian.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 6.1.1</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0</th>
<th>24</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>19</td>
<td>08</td>
<td>04</td>
<td>17</td>
<td>04</td>
<td>14</td>
<td>04</td>
<td>20</td>
<td>04</td>
<td>10</td>
<td>04</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>21</td>
<td>04</td>
<td>22</td>
<td>04</td>
<td>12</td>
<td>04</td>
<td>23</td>
<td>04</td>
<td>19</td>
<td>04</td>
<td>22</td>
</tr>
</tbody>
</table>

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:
- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 7.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 7.1.1</td>
<td>Normal priority, clear message after delay of 10 seconds.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 7.1.1</td>
<td>No response from user.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

**PROACTIVE COMMAND: DISPLAY TEXT 7.1.1**

Logically:

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

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>19</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>31</td>
<td>30</td>
<td>20</td>
<td>53</td>
<td>65</td>
<td>63</td>
<td>6F</td>
<td>6E</td>
<td>64</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>01</td>
<td>0A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TERMINAL RESPONSE: DISPLAY TEXT 7.1.1

Logically:

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

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.1.1</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “Text Attribute 1”</td>
<td>Message shall be formatted with left alignment.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.1.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.1.2</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display “Text Attribute 2”</td>
<td>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.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.1.1</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>31</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
</tr>
</tbody>
</table>

ETSi
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 72 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:
- 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 sent 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.2.1</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “Text Attribute 1”</td>
<td>Message shall be formatted with center alignment.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.2.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.2.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.2.2</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display “Text Attribute 2”</td>
<td>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.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.2.1</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>31</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>01</td>
<td>B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>
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:

- 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)

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

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>31</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>02</td>
<td>B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.4.1</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 1&quot;</td>
<td>Message shall be formatted with large font size.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.4.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.4.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.4.2</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 2&quot;</td>
<td>Message shall be formatted with normal font size.</td>
</tr>
</tbody>
</table>
### 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 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 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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
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<td>20</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: DISPLAY TEXT 8.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.5.1</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 1&quot;</td>
<td>Message shall be formatted with small font size.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.5.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: DISPLAY TEXT 8.5.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.5.2</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 2&quot;</td>
<td>Message shall be formatted normal font size.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.5.1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: DISPLAY TEXT 8.5.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.5.1</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 1&quot;</td>
<td>Message shall be formatted with small font size.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.5.1</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: DISPLAY TEXT 8.5.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.5.3</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 3&quot;</td>
<td>Message shall be formatted with normal font size.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.5.1</td>
<td></td>
</tr>
</tbody>
</table>

**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:

\[
\begin{array}{cccccccccccc}
\text{BER-TLV:} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
\hline
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
D & 0 & 4 & 5 & 4 & 6 & 5 & 7 & 8 & 0 & 0 & 0 \\
D & 0 & 4 & 5 & 4 & 6 & 5 & 7 & 8 & 0 & 0 & 0 \\
8 & 2 & 7 & 5 & 7 & 4 & 6 & 5 & 7 & 3 & 0 & 0 \\
\end{array}
\]

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:

\[
\begin{array}{cccccccccccc}
\text{BER-TLV:} & 8 & 1 & 0 & 1 & 2 & 1 & 0 & 8 & 0 & 0 & 0 \\
\end{array}
\]

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>32</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.6.1 Normal priority, wait for user to clear message.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “Text Attribute 1” Message shall be formatted with bold text on.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.6.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.6.2 Normal priority, wait for user to clear message.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.6.2 Normal priority, wait for user to clear message.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display “Text Attribute 2” Message shall be formatted with bold text off.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.6.1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.6.1 Normal priority, wait for user to clear message.</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.6.1 Normal priority, wait for user to clear message.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display “Text Attribute 1” Message shall be formatted with bold text on.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.6.1</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>31</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>10</td>
<td>B4</td>
</tr>
</tbody>
</table>

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
### 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: 81 03 01 21 80 82 02 82 81 83 01 00
```

### 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 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
```
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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.7.1</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 1&quot;</td>
<td>Message shall be formatted with italic on.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.7.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.7.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.7.2</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 2&quot;</td>
<td>Message shall be formatted with italic off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
</tbody>
</table>
Step | Direction | MESSAGE / Action | Comments |
---|---|---|---|
12 | Terminal → UICC | TERMINAL RESPONSE: DISPLAY TEXT 8.7.1 | |
13 | UICC → Terminal | PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.7.1 | |
14 | Terminal → UICC | FETCH | |
15 | UICC → Terminal | PROACTIVE COMMAND: 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 | |
18 | Terminal → UICC | TERMINAL RESPONSE: DISPLAY TEXT 8.7.1 | |
19 | UICC → Terminal | PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.7.3 | |
20 | Terminal → UICC | FETCH | |
21 | UICC → Terminal | PROACTIVE COMMAND: 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: 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: 11 04 54 65 78 74 20 41 74 74 72 69

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
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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.8.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 1&quot;</td>
<td>Message shall be formatted with underline on.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.8.1</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>---------------</td>
<td>------------------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.8.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.8.2</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 2&quot;</td>
<td>Message shall be formatted with underline off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.8.1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.8.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.8.1</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 1&quot;</td>
<td>Message shall be formatted with underline on.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.8.1</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 8.8.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 8.8.3</td>
<td>Normal priority, wait for user to clear message.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 3&quot;</td>
<td>Message shall be formatted with underline off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 8.8.1</td>
<td></td>
</tr>
</tbody>
</table>

**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
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: 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

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: 81 03 01 21 80 82 02 82 81 83 01 00
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
  • 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)

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

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:
\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
D0 & 22 & 81 & 03 & 01 & 21 & 80 & 82 & 02 & 81 & 02 & 8D \\
11 & 04 & 54 & 65 & 78 & 74 & 20 & 41 & 74 & 74 & 72 & 69 \\
62 & 75 & 74 & 65 & 20 & 31 & D0 & 04 & 00 & 10 & 80 & B4
\end{array}
\]

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:
\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
81 & 03 & 01 & 21 & 80 & 82 & 02 & 81 & 83 & 01 & 00
\end{array}
\]

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>32</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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 sent 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)

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

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
97
```

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:

```
BERTLV: 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 82 81 83 01 00
```

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 9.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 9.1.1</td>
<td>Normal priority, wait for user to clear message, UCS2 coded.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;你好&quot;</td>
<td>&quot;Hello&quot; in Chinese.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 9.1.1</td>
<td></td>
</tr>
</tbody>
</table>

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

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:
- TS 102 223 [1], clauses 5.2, 6.4.1, 6.5.4, 6.6.1, 6.8, 6.11, 6.8, 8.7, 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 10.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 10.1.1</td>
<td>Normal priority, wait for user to clear message, UCS2 coded.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “80/ʃ”</td>
<td>“80Test” in Katakana.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 10.1.1</td>
<td></td>
</tr>
</tbody>
</table>

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: "80/ʃ"

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:
- 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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 1.1.1</td>
<td>Digits only, no help info available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2B</td>
<td>22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>2B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 1.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 1.2.1</td>
<td>Digits only, no help info available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;0&quot;&quot;</td>
<td>Text string coding in packed format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;0&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 1.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>14</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09</td>
<td>00</td>
<td>45</td>
<td>37</td>
<td>BD</td>
<td>2C</td>
<td>07</td>
<td>89</td>
<td>60</td>
<td>22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Expected Sequence 1.3 (GET INKEY, backward move)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 1.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 1.3.1</td>
<td>Digits only, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;GO-BACKWARDS&gt;&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Backwards move MMI action</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 1.3.1</td>
<td>Backward move in the proactive UICC session requested by the user.</td>
</tr>
</tbody>
</table>
**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 03 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 81 03 81 83 01 11
```

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 1.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 1.4.1</td>
<td>Digits only, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;ABORT&gt;&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Terminate the Proactive UICC session MMI action</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 1.4.1</td>
<td>Proactive UICC session terminated by the user.</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 1.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 1.5.1</td>
<td>Characters from SMS default alphabet, no help info available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;q&quot;&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;q&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 1.5.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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 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)

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

### 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 Terminal to display text, and to expect the user to enter a single character. Any response entered by the user shall be passed "

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>81</th>
<th>AD</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>01</th>
<th>82</th>
<th>02</th>
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<td>81</td>
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<td>45</td>
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<tr>
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<td>2C</td>
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</tr>
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<td>20</td>
<td>65</td>
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<td>65</td>
<td>72</td>
</tr>
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<td>64</td>
<td>20</td>
<td>62</td>
<td>79</td>
<td>20</td>
<td>74</td>
<td>68</td>
<td>65</td>
<td>20</td>
<td>75</td>
<td>73</td>
</tr>
<tr>
<td></td>
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<td>6C</td>
<td>20</td>
<td>62</td>
<td>65</td>
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<td>61</td>
<td>73</td>
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<td>65</td>
<td>64</td>
<td>20</td>
<td>74</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 22 01 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 02 04 78</td>
</tr>
</tbody>
</table>

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:

- 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.
Procedure

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

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

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 81 83 01 12

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 3.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 3.1.1</td>
<td>Digits only, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “ЗДРАВСТВУЙТЕ ”</td>
<td>Text string &quot;Hello&quot; in Russian coding in 16 bits UCS2 alphabet format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 3.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:  

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>24</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
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<tr>
<td></td>
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<td>04</td>
<td>17</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:  

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>2B</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 3.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 3.2.1</td>
<td>Digits only, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;ЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕ ЗДРАВСТВУЙТЕ&quot;</td>
<td>Text string length 70 characters, coding in 16 bits UCS2 alphabet format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 3.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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
ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЭ"

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 19
04 22 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
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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 4.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 4.1.1</td>
<td>Characters from UCS2 alphabet, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;Д&quot; and completion</td>
<td>Cyrillic character, coding in UCS2 format.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 4.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>11</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>03</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>06</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>03</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>03</td>
<td>08</td>
<td>04</td>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 5.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 5.1.1</td>
<td>&quot;Yes/No&quot; Response, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter YES&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Choice &quot;Yes&quot; and Completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 5.1.1</td>
<td>Command performed successfully. Check if it is in accordance with the user choice (value '01' in the Text String data object).</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 5.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 5.1.2</td>
<td>&quot;Yes/No&quot; Response, no help information available.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter NO:&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Choice &quot;No&quot; and Completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 5.1.2</td>
<td>Command performed successfully. Check if it is in accordance with the user choice (value '00' in the Text String data object).</td>
</tr>
</tbody>
</table>

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"
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:

\[
\text{BER-TLV: 81 03 01 22 04 82 02 81 82 8D 09 04 45 6E 74 72 20 4E 4F}
\]

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: UICC
- Destination device: Terminal

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

Coding:

\[
\text{BER-TLV: D0 14 81 03 01 22 04 82 02 82 8D}
\]

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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>04</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 6.1.1</td>
<td>BASIC-ICON self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display the BASIC-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 6.1.1A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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_img)

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>19</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>3C</td>
<td>4E</td>
<td>4F</td>
<td>2D</td>
<td>49</td>
<td>43</td>
<td>4F</td>
<td>4E</td>
<td>3E</td>
<td>1E</td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>00</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 22 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td>8D 02 04 2B</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 6.1.1</td>
<td>BASIC-ICON self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;NO-ICON&gt;&quot; for the prompt without the icon</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 6.1.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 22 00 82 02 82 81 83 01 04</th>
</tr>
</thead>
<tbody>
<tr>
<td>8D 02 04 2B</td>
<td></td>
</tr>
</tbody>
</table>
Expected Sequence 6.2A (GET INKEY, Basic icon, non self-explanatory, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 6.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 6.2.1</td>
<td>BASIC-ICON non self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;BASIC-ICON&gt;&quot; and Display the BASIC-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 6.2.1A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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_Img)

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>0D 1C 81 03 01 22 00 82 02 81 82 8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0D 04 3C 42 41 53 49 43 2D 49 43 4F</td>
</tr>
<tr>
<td></td>
<td>4E 3E 1E 02 01 01</td>
</tr>
</tbody>
</table>

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:

\[
\begin{array}{ccccccccccc}
\text{BER-TLV: } & 81 & 03 & 01 & 22 & 00 & 82 & 02 & 82 & 81 & 83 & 01 & 00 \\
\hline
8D & 02 & 04 & 02 & 04 & 2B \\
\end{array}
\]

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td>PENDING: GET INKEY 6.2.1</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 6.2.1</td>
<td>BASIC-ICON non self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;BASIC-ICON&gt;&quot; for the prompt without the icon</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 6.2.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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:

\[
\begin{array}{ccccccccccc}
\text{BER-TLV: } & 81 & 03 & 01 & 22 & 00 & 82 & 02 & 82 & 81 & 83 & 01 & 04 \\
\hline
8D & 02 & 04 & 02 & 04 & 2B \\
\end{array}
\]
Expected Sequence 6.3A (GET INKEY, Colour icon, self-explanatory, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 6.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 6.3.1</td>
<td>COLOUR-ICON self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display the COLOUR-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 6.3.1A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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 \text{Img})

Coding:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
\text{D0} & \text{19} & \text{81} & \text{03} & \text{01} & \text{22} & \text{00} & \text{82} & \text{02} & \text{81} & \text{82} & \text{8D} \\
\text{0A} & \text{04} & \text{3C} & \text{4E} & \text{4F} & \text{2D} & \text{49} & \text{43} & \text{4F} & \text{4E} & \text{3E} & \text{1E} \\
\text{02} & \text{00} & \text{02} & \\
\end{array}
\]

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 6.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 6.3.1</td>
<td>COLOUR-ICON self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;NO-ICON&gt;&quot; for the prompt without the icon</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 6.3.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 6.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 6.4.1</td>
<td>COLOUR-ICON non self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;COLOUR-ICON&gt;&quot; and Display the COLOUR-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 6.4.1A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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 Img)

Coding:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0</th>
<th>1D</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0E</td>
<td>04</td>
<td>3C</td>
<td>43</td>
<td>4F</td>
<td>4C</td>
<td>4F</td>
<td>55</td>
<td>52</td>
<td>2D</td>
<td>49</td>
<td>43</td>
</tr>
</tbody>
</table>

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
Data coding scheme: unpacked, 8 bit data

Text: "+"

Coding:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>81 03 01 22 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 6.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 6.4.1</td>
<td>COLOUR-ICON non self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;COLOUR-ICON&gt;&quot; for the prompt without the icon</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 6.4.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>81 03 01 22 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>

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:

- 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)

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

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2B</td>
<td>22</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>13</th>
</tr>
</thead>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>48</td>
<td>85</td>
<td>6C</td>
<td>70</td>
<td>20</td>
<td>69</td>
<td>6E</td>
<td>66</td>
<td>6F</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td>6D</td>
<td>61</td>
<td>74</td>
<td>69</td>
<td>6F</td>
<td>8E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2B</td>
<td>22</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>2B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 8.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 8.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot; for 10 seconds</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 8.1.1</td>
<td>No response from user.</td>
</tr>
</tbody>
</table>

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

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

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter +&quot; Message shall be formatted with left alignment.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2B</td>
<td>22</td>
<td>D0</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>00</td>
<td>09</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>2B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>23</td>
<td>22</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- TS 102 223 [1], clauses 5.2, 6.4.2, 6.5.4, 6.6.2, 6.8.11, 6.11, 8.6.7, 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter +&quot; Message shall be formatted with center alignment.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.2.1 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.2.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.2.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter #&quot; 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.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;#&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.2.2 Command performed successfully.</td>
<td></td>
</tr>
</tbody>
</table>
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 D0

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>23</td>
<td>22</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td>PENDING: GET INKEY 9.3.1</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot; Message shall be formatted with right alignment.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.3.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.3.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot; 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.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.3.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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 "+"
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: 

<table>
<thead>
<tr>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2B</td>
</tr>
<tr>
<td>04</td>
<td>00</td>
<td>09</td>
<td>02</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: 

<table>
<thead>
<tr>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>23</td>
<td>22</td>
<td></td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 22 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 02 04 23</td>
</tr>
</tbody>
</table>

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:
  - 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)

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

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>0D 1B 81 03 01 22 00 82 02 81 82 8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A 04 45 6E 74 65 72 20 22 2B 22 D0</td>
</tr>
<tr>
<td></td>
<td>04 00 09 04 B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 22 00 82 02 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>

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 "+"

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 22 00 82 02 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>23</td>
<td>22</td>
<td>D0</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>00</td>
<td>09</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2#</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.5.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot; Message shall be formatted with small font size.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.5.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.5.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot; Message shall be formatted with normal font size.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.5.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.5.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.5.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot;</td>
<td>Message shall be formatted with small font size.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.5.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.5.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot;</td>
<td>Message shall be formatted with small font size.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.5.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2B</td>
<td>22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>04</th>
<th>04</th>
<th>09</th>
<th>08</th>
<th>B4</th>
</tr>
</thead>
</table>

ETS I
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>81 03 01 22 00 82 02 82 81 83 01 00</td>
</tr>
<tr>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0 1B 81 03 01 22 00 82 02 81 82 8D 0A 04 45 6E 74 65 72 20 22 23 22 22 D0</td>
</tr>
<tr>
<td>04 00 09 B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>23</td>
<td>22</td>
<td>8D</td>
</tr>
</tbody>
</table>

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:

- 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)

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

04 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: 

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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>23</td>
<td>22</td>
<td>D0</td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>00</td>
<td>09</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

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 "#""
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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.7.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot; Message shall be formatted with italic on.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.7.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.7.2</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display “Enter “#””</td>
<td>Message shall be formatted with italic off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input “#” and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.7.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.7.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.7.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display “Enter “+””</td>
<td>Message shall be formatted with italic on.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input “+” and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.7.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.7.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display “Enter “#””</td>
<td>Message shall be formatted with italic off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input “#” and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.7.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2B</td>
<td>22</td>
<td>D0</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>00</td>
<td>09</td>
<td>20</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>81 03 01 22 00 82 02 82 81 83 01 00</td>
</tr>
<tr>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0 1B 81 03 01 22 00 82 02 82 81 83 01 00</td>
</tr>
<tr>
<td>0A 04 45 6E 74 65 72 20 22 23 22 D0</td>
</tr>
<tr>
<td>04 00 09 00 B4</td>
</tr>
</tbody>
</table>

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 74 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:
• 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.8.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot; Message shall be formatted with underline on.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.8.1 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.8.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.8.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot; Message shall be formatted with underline off.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.8.2 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.8.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.8.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot; Message shall be formatted with underline on.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.8.1 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.8.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.8.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot; Message shall be formatted with underline off.</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.8.2 Command performed successfully.</td>
<td></td>
</tr>
</tbody>
</table>
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 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 82 8D 02 2B 8D 02 04 00

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>23</td>
<td>22</td>
<td>D0</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>00</td>
<td>09</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 "#""
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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.9.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.9.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot; Message shall be formatted with strikethrough on.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.9.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.9.2</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot;</td>
<td>Message shall be formatted with strikethrough off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;#&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.9.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.9.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.9.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot;</td>
<td>Message shall be formatted with strikethrough on.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.9.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.9.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot;&quot;</td>
<td>Message shall be formatted with strikethrough off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;#&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.9.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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 BD 04 09 80 B4

ETS
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 83 01 00
0A 04 45 6E 74 65 72 20 22 23 22 23 22 D0
```

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.10.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.10.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot; Message shall be formatted with foreground and background colour according to text attribute configuration.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.10.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 9.10.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 9.10.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter &quot;+&quot; Message shall be formatted with Terminal's default foreground and background colour.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 9.10.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>2B</td>
<td>22</td>
<td>D0</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>00</td>
<td>09</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>2B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>15</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>22</td>
<td>23</td>
<td>22</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 10.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 10.1.1</td>
<td>Digits only, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;你好&quot;</td>
<td>Text string &quot;Hello&quot; in Chinese coding in 16 bits UCS2 alphabet format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 10.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D0</td>
<td>10</td>
<td>81</td>
<td>03</td>
<td>01</td>
<td>22</td>
<td>00</td>
<td>82</td>
<td>02</td>
</tr>
<tr>
<td>05</td>
<td>08</td>
<td>4F</td>
<td>60</td>
<td>59</td>
<td>7D</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: "+"

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 10.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 10.2.1</td>
<td>Digits only, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display</td>
<td></td>
</tr>
</tbody>
</table>
|      |              | "你好好处
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 22 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td>8D 02 04 2B</td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 11.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 11.1.1</td>
<td>Characters from UCS2 alphabet, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input “⌘” and completion</td>
<td>Chinese character, coding in UCS2 format.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 11.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>11</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>03</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>06</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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: “友好”

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>03</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>03</td>
<td>08</td>
<td>59</td>
<td>7D</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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:
   - 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: GET INKEY 12.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 12.1.1</td>
<td>Days only, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;/g2142&quot;</td>
<td>Text string &quot;Test&quot; in Katakana coding in 16 bits UCS2 alphabet format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 12.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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

Text String
  Data coding scheme: 16 bit data UCS2 alphabet format
  Text: \"/g2142\"

Coding:

BER-TLV: D0 0E 81 03 01 22 00 82 02 81 82 8D 03 08 30 EB

TERMINAL RESPONSE: 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: 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 12.2 (GET INKEY, max length for the Text String coding in UCS2 Alphabet in Katakana, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 12.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 12.2.1</td>
<td>Digits only, no help information available.</td>
</tr>
</tbody>
</table>
| 4    | Terminal → USER| Display "/
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/...
TERMINAL RESPONSE: GET INKEY 12.2.1

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>22</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>2B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

27.22.4.2.12.5 Test requirement

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

27.22.4.2.13 GET INKEY (UCS2 entry in Katakana)

27.22.4.2.13.1 Definition and applicability

See clause 3.2.2.

27.22.4.2.13.2 Conformance requirement

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

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INKEY 13.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INKEY 13.1.1</td>
<td>Characters from UCS2 alphabet, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter&quot;</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;Enter&quot; and completion</td>
<td>Katakana character, coding in UCS2 format.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INKEY 13.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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: "へ"
Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 22 03 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 03 08 30 EB</td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.1.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help info available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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 7D 62 20 31 32 33 34 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 1.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.2.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 67*#+&quot; Range of expected length is 5-5 Text string coding in packed format.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;67*#+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>08</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0B</td>
<td>00</td>
<td>45</td>
<td>37</td>
<td>BD</td>
<td>2C</td>
<td>07</td>
<td>D9</td>
<td>6E</td>
<td>AA</td>
<td>D1</td>
<td>0A</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 1.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.3.1</td>
<td>Character set, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter AbCdE&quot;</td>
<td>Range of expected length is 5-5 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;AbCdE&quot; and completion</td>
<td>The Terminal may echo the input.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.3.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 1B 81 03 01 23 01 82 02 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C 04 45 6E 74 65 72 20 41 62 43 64</td>
</tr>
<tr>
<td></td>
<td>45 91 02 05 05</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 1.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.4.1</td>
<td>Digits only, SMS default alphabet, Terminal to hide text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Password 1&lt;SEND&gt;2345678&quot;</td>
<td>Range of expected length is 4-8 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;2345678&quot; and completion</td>
<td>User's input not to be revealed at any time, optionally indication of key entries such as by displaying &quot;***&quot;.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → USER</td>
<td>Input not revealed</td>
<td>Optionally indication of key entries such as by displaying &quot;***&quot;.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.4.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>27</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>04</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>18</td>
<td>04</td>
<td>50</td>
<td>61</td>
<td>73</td>
<td>73</td>
<td>77</td>
<td>6F</td>
<td>72</td>
<td>64</td>
<td>20</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>3C</td>
<td>53</td>
<td>45</td>
<td>4E</td>
<td>44</td>
<td>3E</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>01</td>
<td>02</td>
<td>04</td>
<td>08</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>04</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>08</td>
<td>04</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 1.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.5.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 1..9,0..9,0(1)&quot;</td>
<td>Range of expected length is 1-20 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Completion without input</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → USER</td>
<td>The Terminal MMI takes action to manage the entry of correct numbers of characters.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Enter &quot;12345678901234567890&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.5.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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: 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 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: GET INPUT 1.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.6.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;GO-BACKWARDS&gt;&quot;</td>
<td>Range of expected length is 0-8 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Backwards move MMI action</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.6.1</td>
<td>Backward move in the proactive UICC session requested by the user.</td>
</tr>
</tbody>
</table>

**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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 1.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.7.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;ABORT&gt;&quot;</td>
<td>Range if expected length is 0-8 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Terminate the Proactive UICC session MMI action</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.7.1</td>
<td>Proactive UICC session terminated by the user.</td>
</tr>
</tbody>
</table>

**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 83 01 11
```

**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 | 08 | 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 1.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.8.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;***1111111111###***2222222222### ***3333333333###***4444444444### ***5555555555###***6666666666### ***7777777777###***8888888888###***9999999999###***0000000000###&quot; and completion</td>
<td>Range of length expected is 160-160 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;***1111111111###***2222222222### ***3333333333###***4444444444### ***5555555555###***6666666666### ***7777777777###***8888888888###***9999999999###***0000000000###&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.8.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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###***9999999999###***0000000000###"

Response length
- Minimum length: 160
- Maximum length: 160
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 00 82 02 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td>8D 81 A1 04 2A 2A 2A 31 31 31 31</td>
<td></td>
</tr>
<tr>
<td>31 31 31 31 31 31 31 31 31 31 31</td>
<td></td>
</tr>
<tr>
<td>32 32 32 32 32 32 32 32 32 32 32</td>
<td></td>
</tr>
<tr>
<td>2A 2A 2A 33 33 33 33 33 33 33 33</td>
<td></td>
</tr>
<tr>
<td>33 33 33 33 33 33 33 33 33 33 33</td>
<td></td>
</tr>
<tr>
<td>34 34 34 34 34 34 34 34 34 34 34</td>
<td></td>
</tr>
<tr>
<td>35 35 35 35 35 35 35 35 35 35 35</td>
<td></td>
</tr>
<tr>
<td>36 36 36 36 36 36 36 36 36 36 36</td>
<td></td>
</tr>
<tr>
<td>37 37 37 37 37 37 37 37 37 37 37</td>
<td></td>
</tr>
<tr>
<td>38 38 38 38 38 38 38 38 38 38 38</td>
<td></td>
</tr>
<tr>
<td>30 30 30 30 30 30 30 30 30 30 30</td>
<td></td>
</tr>
<tr>
<td>31 31 31 31 31 31 31 31 31 31 31</td>
<td></td>
</tr>
<tr>
<td>32 32 32 32 32 32 32 32 32 32 32</td>
<td></td>
</tr>
<tr>
<td>2A 2A 2A 33 33 33 33 33 33 33 33</td>
<td></td>
</tr>
<tr>
<td>33 33 33 33 33 33 33 33 33 33 33</td>
<td></td>
</tr>
<tr>
<td>34 34 34 34 34 34 34 34 34 34 34</td>
<td></td>
</tr>
<tr>
<td>35 35 35 35 35 35 35 35 35 35 35</td>
<td></td>
</tr>
<tr>
<td>36 36 36 36 36 36 36 36 36 36 36</td>
<td></td>
</tr>
<tr>
<td>37 37 37 37 37 37 37 37 37 37 37</td>
<td></td>
</tr>
<tr>
<td>38 38 38 38 38 38 38 38 38 38 38</td>
<td></td>
</tr>
<tr>
<td>30 30 30 30 30 30 30 30 30 30 30</td>
<td></td>
</tr>
</tbody>
</table>
### Expected Sequence 1.9 (GET INPUT, digits only, SMS default alphabet, Terminal to echo text, Terminal supporting 8 bit data Message)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 1.9.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.9.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;SEND&gt;&quot;</td>
<td>Range of expected length is 0-1 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.9.1A Or TERMINAL RESPONSE: GET INPUT 1.9.1B</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

### 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**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>16</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07</td>
<td>04</td>
<td>3C</td>
<td>53</td>
<td>45</td>
<td>4E</td>
<td>44</td>
<td>3E</td>
<td>91</td>
<td>02</td>
<td>00</td>
<td>01</td>
</tr>
</tbody>
</table>

### 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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>01</td>
<td>04</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1 UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: GET INPUT 1.10.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1 UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 1.10.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help info available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Request for input</td>
<td>Range of expected length is 1-5 Null Text string.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input “12345” and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 1.10.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>0F</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00</td>
<td>91</td>
<td>02</td>
<td>01</td>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 2.1</td>
<td>Digits only, SMS default alphabet Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;TIME-OUT&gt;&quot;</td>
<td>Range of expected length is 0-10 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER</td>
<td>Waiting and no completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 2.1.1</td>
<td>No response from user within 5 s after the end of that defined period of time.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0B</td>
<td>04</td>
<td>3C</td>
<td>54</td>
<td>49</td>
<td>4D</td>
<td>45</td>
<td>2D</td>
<td>4F</td>
<td>55</td>
<td>54</td>
<td>3E</td>
</tr>
<tr>
<td></td>
<td>91</td>
<td>02</td>
<td>00</td>
<td>0A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ETS
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:

- 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.
27.22.4.3.4.2 Procedure

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 3.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 3.1.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;ЗДРАВСТВУЙТЕ &quot;</td>
<td>Range of expected length is 5-5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Text string &quot;Hello&quot; in Russian coding in 16 bits UCS2 alphabet format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;HELLO&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 3.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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: 04 21 04 12 04 23 04 19 04 22

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 01 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 06 04 48 45 4C 4C 4F</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 3.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 3.2.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ&quot;</td>
<td>Range of expected length is 5-5 Text string length 70 characters, coding in 16 bits UCS2 alphabet format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;HELLO&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 3.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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: "ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕ" |

Response length
Minimum length: 5
Maximum length: 5
Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 81 9D 81 03 01 23 01 82 02 81 82 04 17 04 14 04 20 04 10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 81 8D 08 04 17 04 14 04 20 04 10 04 22 04 15 04 17 04 14 04 20 04 10</td>
</tr>
<tr>
<td></td>
<td>04 12 04 15 04 17 04 14 04 20 04 10 04 12 04 21 04 22 04 12 04 23 04 19</td>
</tr>
<tr>
<td></td>
<td>04 22 04 15 04 17 04 14 04 20 04 10 04 12 04 21 04 22 04 12 04 23 04 19</td>
</tr>
<tr>
<td></td>
<td>04 22 04 15 04 17 04 14 04 20 04 10 04 12 04 21 04 22 04 12 04 23 04 19</td>
</tr>
<tr>
<td></td>
<td>04 22 04 15 04 17 04 14 04 20 04 10 04 12 04 21 04 22 04 12 04 23 04 19</td>
</tr>
<tr>
<td></td>
<td>04 12 04 21 04 22 04 12 04 23 04 19 04 22 04 15 04 17 04 14 04 20 04 10</td>
</tr>
<tr>
<td></td>
<td>04 22 04 15 04 17 04 14 04 20 04 10 04 12 04 21 04 22 04 12 04 23 04 19</td>
</tr>
<tr>
<td></td>
<td>04 12 04 21 04 22 04 12 04 23 04 19 04 22 04 15 04 17 04 14 04 20 04 10</td>
</tr>
<tr>
<td></td>
<td>04 12 04 21 04 22 04 12 04 23 04 19 04 22 04 15 04 17 04 14 04 20 04 10</td>
</tr>
<tr>
<td></td>
<td>04 12 04 21 04 22 04 12 04 23 04 19 04 22 04 15 04 17 04 14 04 20 04 10</td>
</tr>
<tr>
<td></td>
<td>04 12 04 21 04 22 04 12 04 23 04 19 04 22 04 15 04 17 04 14 04 20 04 10</td>
</tr>
<tr>
<td></td>
<td>04 12 04 21 04 22 04 12 04 23 04 19 04 22 04 15 04 17 04 14 04 20 04 10</td>
</tr>
<tr>
<td></td>
<td>04 12 04 21 04 22 04 12 04 23 04 19 04 22 04 15 04 17 04 14 04 20 04 10</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 01 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 06 04 48 45 4C 4C 4F</td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 4.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 4.1.1</td>
<td>Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter Hello&quot;</td>
<td>Range of expected length is 12-12 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;ЗДРАВСТВУЙТЕ&quot; and completion</td>
<td>&quot;Hello&quot; in Russian, coding in UCS2 format.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 4.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>03</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>48</td>
<td>65</td>
<td>6C</td>
<td>6C</td>
</tr>
<tr>
<td></td>
<td>6F</td>
<td>91</td>
<td>02</td>
<td>0C</td>
<td>0C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 4.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 4.2.1</td>
<td>Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter Hello&quot;</td>
<td>Range of expected length is no limit Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;ЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙТЕЗДРАВСТВУЙ &quot; and completion</td>
<td>Input length 70 characters, coding in UCS2 format.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 4.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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 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 81 82 83 01 00
```

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 5.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 5.1.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot; Display &quot;12345&quot;</td>
<td>Range of expected length is 5-5 Text string coding in unpacked format Default text coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 5.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

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:

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 5.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>PROACTIVE COMMAND: GET INPUT 5.2.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available</td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>Display &quot;Enter:&quot;</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Range of expected length is 160-160</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 5.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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: "***1111111111###***2222222222### ***3333333333###***4444444444### ***5555555555###***6666666666### ***7777777777###***8888888888###***9999999999###***0000000000###"

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>81</th>
<th>BA</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
</tr>
</thead>
<tbody>
<tr>
<td>8D</td>
<td>07</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>3A</td>
<td>91</td>
<td>02</td>
<td>A0</td>
<td></td>
</tr>
<tr>
<td>A0</td>
<td>17</td>
<td>81</td>
<td>A1</td>
<td>04</td>
<td>2A</td>
<td>2A</td>
<td>2A</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>31</td>
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<td>31</td>
<td>31</td>
<td>31</td>
<td>23</td>
<td>23</td>
<td>23</td>
<td>2A</td>
<td>2A</td>
<td>2A</td>
<td></td>
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<tr>
<td>32</td>
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<td>32</td>
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</tr>
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</tbody>
</table>

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: "****1111111111###****2222222222### ****3333333333###****4444444444###****5555555555###****6666666666###****7777777777###****8888888888###****9999999999###****0000000000###"

Coding:

<table>
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<tr>
<th>BER-TLV:</th>
<th>81</th>
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</tr>
</tbody>
</table>

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:

- 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.
### Procedure

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 6.1.1</td>
<td>BASIC-ICON self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display the BASIC-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 6.1.1A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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: 
  
- **Response length**
  - Minimum length: 0
  - Maximum length: 10

- **Icon Identifier**
  - Icon qualifier: self-explanatory
  - Icon identifier: 1 (number of record in EF_{Img})

- **Coding**
  
<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0D 1D 81 03 01 23 00 82 02 81 82 8D</td>
</tr>
<tr>
<td>0A 04 3C 4E 4F 2D 49 43 4F 4E 3E 91</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>81 03 01 23 00 82 02 82 81 83 01 00</td>
</tr>
<tr>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 6.1.1 BASIC-ICON self-explanatory for the Text string.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;NO-ICONS&gt;&quot; for the prompt without the icon Text string coding in unpacked format.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 6.1.1B Command performed successfully, but requested icon could not be displayed.</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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</thead>
<tbody>
<tr>
<td>81 03 01 23 00 82 02 82 81 83 01 04</td>
</tr>
<tr>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>
Expected Sequence 6.2A (GET INPUT, Basic icon, non self-explanatory, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 6.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 6.2.1</td>
<td>BASIC-ICON non self-explanatory for the Text</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;BASIC-ICON&gt;&quot; and Display the BASIC-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
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<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 6.2.1A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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_img)

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>0D 20 81 03 01 23 00 82 02 81 82 8D</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>0D 04 3C 42 41 53 49 43 2D 49 43 4F</td>
</tr>
<tr>
<td></td>
<td>4E 3E 91 02 00 0A 1E 02 01 01</td>
</tr>
</tbody>
</table>

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)

<table>
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<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 6.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 6.2.1</td>
<td>BASIC-ICON non self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;BASIC-ICON&gt;&quot; for the prompt without the icon</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 6.2.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
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<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 6.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 6.3.1</td>
<td>COLOUR-ICON self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display the COLOUR-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 6.3.1A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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 Img)

Coding:

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</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
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<th>81</th>
<th>83</th>
<th>01</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>02</td>
<td>04</td>
<td>2B</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 6.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 6.3.1</td>
<td>COLOUR-ICON self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display the COLOUR-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 6.3.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>04</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>02</td>
<td>04</td>
<td>2B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Expected Sequence 6.4A (GET INPUT, Colour icon, non self-explanatory, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 6.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 6.4.1</td>
<td>COLOUR-ICON non self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;COLOUR-ICON&gt;&quot; and Display the COLOUR-ICON for the prompt</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 6.4.1A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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_img)

- **Coding**
  - BER-TLV: D0 21 81 03 01 23 00 82 02 81 82 8D 0E 04 3C 43 4F 4C 4F 4C 4F 55 52 2D 49 43

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 6.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 6.4.1</td>
<td>COLOUR-ICON non-self-explanatory for the Text string.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;COLOUR-ICON&gt;&quot; for the prompt without the icon</td>
<td>Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;+&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 6.4.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 02 04 2B</td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 7.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 7.1.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Press &quot;help&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 7.1.1</td>
<td>Command performed, help information required by user.</td>
</tr>
</tbody>
</table>

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

- 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.
**Expected Sequence 8.1 (GET INPUT, Text attribute - Left Alignment)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.1.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5. Text string coding in unpacked format, Message shall be formatted with left alignment.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.1.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>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.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.1.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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
## 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: D0 21 81 03 01 23 00 82 02 81 82 8D
0C 04 45 6E 74 65 72 20 31 32 34 91 02 05 05
D0 04 00 0B 00 B4
```

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

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 91 02 05 05
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
</tbody>
</table>

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:
- 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.
### Procedure

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.2.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with center alignment.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.2.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.2.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>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.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.2.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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
  - Colour: Dark Green Foreground, Bright Yellow Background
Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>35</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>0B</td>
<td>01</td>
<td>B4</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td>05</td>
<td>06</td>
<td>04</td>
<td>00</td>
<td>0B</td>
<td>01</td>
<td>B4</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.3.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with right alignment.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.3.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.3.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>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.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.3.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00</td>
<td>04</td>
<td>21</td>
<td>81</td>
<td>82</td>
<td>8D</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0C</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>74</td>
<td>72</td>
<td>20</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.4.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with large font size.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.4.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.4.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>Message shall be formatted with normal font size.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.4.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.4.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.4.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with large font size.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.4.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>----------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.4.3</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 33333&quot;</td>
<td>Message shall be formatted with normal font size.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;33333&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.4.3</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>35</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td>0D</td>
<td>04</td>
<td>00</td>
<td>0B</td>
<td>04</td>
<td>B4</td>
<td></td>
</tr>
</tbody>
</table>

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:

\[
\begin{array}{cccccccccccc}
81 & 03 & 01 & 23 & 00 & 82 & 02 & 82 & 81 & 83 & 01 & 00 \\
8D & 06 & 04 & 31 & 32 & 33 & 34 & 35 &  &  &  & \\
\end{array}
\]

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:

\[
\begin{array}{cccccccccccc}
D0 & 21 & 81 & 03 & 01 & 23 & 00 & 82 & 02 & 82 & 81 & 82 \\
0C & 04 & 45 & 6E & 74 & 65 & 72 & 20 & 32 & 32 & 32 & 32 \\
32 & 91 & 02 & 05 & 05 & D0 & 04 & 00 & 0B & 00 & 84 & \\
\end{array}
\]

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 06 04 32 32 32 32 32</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 1B 81 03 01 23 00 82 02 82 81 82 8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C 04 45 6E 74 65 72 20 33 33 33 33</td>
</tr>
<tr>
<td></td>
<td>33 91 02 05 05</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 06 04 33 33 33 33 33</td>
</tr>
</tbody>
</table>
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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.5.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with small font size.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.5.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.5.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>Message shall be formatted with normal font size.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
</tbody>
</table>
Step | Direction | MESSAGE / Action | Comments |
--- | --- | --- | --- |
12 | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 8.5.2 | Command performed successfully. |
13 | UICC → Terminal | PROACTIVE COMMAND PENDING: GET INPUT 8.5.1 | |
14 | Terminal → UICC | FETCH | |
15 | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 8.5.1 | 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 small font size. |
17 | USER → Terminal | Enter the input "12345" and completion | |
18 | Terminal → UICC | TERMINAL RESPONSE: GET INPUT 8.5.1 | Command performed successfully. |
19 | UICC → Terminal | PROACTIVE COMMAND PENDING: GET INPUT 8.5.3 | |
20 | Terminal → UICC | FETCH | |
21 | UICC → Terminal | PROACTIVE COMMAND: GET INPUT 8.5.3 | 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 normal font size. |
23 | USER → Terminal | Enter the input "33333" and completion | |
24 | Terminal → UICC | TERMINAL RESPONSE: GET 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
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:

\[
\begin{array}{cccccccccccc}
\text{BER-TLV:} & D0 & 21 & 81 & 03 & 01 & 23 & 00 & 82 & 02 & 81 & 82 & 8D \\
 & 0C & 04 & 45 & 6E & 74 & 65 & 72 & 20 & 31 & 32 & 33 & 34 \\
 & 35 & 91 & 02 & 05 & 05 & D0 & 04 & 00 & 0B & 08 & B4 & \\
\end{array}
\]

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
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: 

<table>
<thead>
<tr>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
</tbody>
</table>

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: 

<table>
<thead>
<tr>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
</tbody>
</table>

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"

Coded:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 06 04 33 33 33 33 33</td>
</tr>
</tbody>
</table>

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:

* 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.6.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with bold on.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.6.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.6.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>Message shall be formatted with bold off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.6.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.6.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.6.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with bold on.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.6.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.6.3</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 33333&quot;</td>
<td>Message shall be formatted with bold off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;33333&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.6.3</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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: 81 03 01 23 00 82 02 81 82 8D 0C 04 45 6E 74 65 72 20 31 32 33 34 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 81 82 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

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>32</td>
<td>33</td>
<td>33</td>
<td>33</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>33</td>
<td>33</td>
<td>33</td>
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<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.7.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with italic on.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.7.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.7.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>Message shall be formatted with italic off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.7.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.7.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.7.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with italic on.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.7.2</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.7.3</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 33333&quot;</td>
<td>Message shall be formatted with italic off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;33333&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.7.3</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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
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 81 82 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
**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>0B</td>
<td>00</td>
<td>84</td>
<td></td>
</tr>
</tbody>
</table>

**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
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: D0 1B 81 03 01 23 00 82 02 81 82 8D 0C 04 45 6E 74 65 72 20 33 33 33 33 91 02 05 05
```

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:
- 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.

### Procedure

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.8.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with underline on.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.8.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.8.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>Message shall be formatted with underline off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.8.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.8.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.8.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with underline on.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.8.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.8.3</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 33333&quot;</td>
<td>Message shall be formatted with underline off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;33333&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.8.3</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OC</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>35</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>0B</td>
<td>40</td>
<td>B4</td>
<td></td>
</tr>
</tbody>
</table>
```

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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```
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 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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
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<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
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<tr>
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<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.9.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.9.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with strikethrough on.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.9.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.9.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>Message shall be formatted with strikethrough off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.9.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.9.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.9.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with strikethrough on.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.9.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.9.3</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 33333&quot;</td>
<td>Message shall be formatted with strikethrough off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;33333&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.9.3</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>35</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>08</td>
<td>80</td>
<td>B4</td>
<td></td>
</tr>
</tbody>
</table>
```
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>06</td>
<td>04</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>0B</td>
<td>00</td>
<td>B4</td>
<td></td>
</tr>
</tbody>
</table>
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 83 01 00
          8D 06 04 32 32 32 32 32
```

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:

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.10.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.10.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, text attribute.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 12345&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted according to foreground and background colour text attribute configuration.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;12345&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.10.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 8.10.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 8.10.2</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no text attribute.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter 22222&quot;</td>
<td>Range of expected length is 5-5, Text string coding in unpacked format, Message shall be formatted with the Terminal's default foreground and background.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;22222&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 8.10.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>35</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>0B</td>
<td>00</td>
<td>B4</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 06 04 32 32 32 32 32</td>
</tr>
</tbody>
</table>

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:

- 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.
### Procedure

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 9.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 9.1.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;你好&quot;</td>
<td>Range of expected length is 5-5 Text string &quot;Hello&quot; in Chinese coding in 16 bits UCS2 alphabet format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;HELLO&quot; and completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 9.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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 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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 01 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 06 04 48 45 4C 4C 4F 4F</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UIICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: GET INPUT 9.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UIICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 9.2.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display</td>
<td>Range of expected length is 5-5 Text string length 70 characters, coding in 16 bits UCS2 alphabet format</td>
</tr>
</tbody>
</table>
|      |                 | “你好你
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>01</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
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</thead>
<tbody>
<tr>
<td>8D 06 04 48 45 4C 4C 4F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 10.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 10.1.1</td>
<td>Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “Enter Hello”</td>
<td>Range of expected length is 2-2 Text string coding in unpacked format</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;你好&quot; and completion</td>
<td>“Hello” in Chinese, coding in UCS2 format</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 10.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
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<td>6C</td>
<td>6C</td>
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<td></td>
<td>6F</td>
<td>91</td>
<td>02</td>
<td>02</td>
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<td></td>
<td></td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 03 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 05 08 4F 60 59 7D</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 10.2.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 10.2.1</td>
<td>Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “Enter Hello”</td>
<td>Range of expected length is no limit Text string coding in unpacked format.</td>
<td></td>
</tr>
</tbody>
</table>
| 5    | USER → Terminal    | Enter the input “你好好处
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

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:

<table>
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<tr>
<th>BER-TLV:</th>
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<th>1B</th>
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</tr>
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<td></td>
<td>6F</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>FF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

TERMINAL RESPONSE: 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

Device identities
Source device: Terminal
Destination device: UICC

Result
General Result: Command performed successfully
Data coding scheme: UCS2
Text: “你好你” (70 chars)
27.22.4.3.10.5 Test requirement
The Terminal shall operate in the manner defined in expected sequences 10.1 to 10.2.

27.22.4.3.11 GET INPUT (UCS2 display in Katakana)

27.22.4.3.11.1 Definition and applicability
See clause 3.2.2.

27.22.4.3.11.2 Conformance requirement
The Terminal shall support the GET INPUT command as defined in:

- 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.

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 23 03 82 02 82 81 83 01 00</th>
</tr>
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<tbody>
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<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
<tr>
<td>4F 60</td>
<td>59 7D</td>
</tr>
</tbody>
</table>

ETS
27.22.4.3.11.4.2 Procedure

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 11.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 11.1.1</td>
<td>Digits only, SMS default alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;／&quot;</td>
<td>Range of expected length is 5-5</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;HELLO&quot; and completion</td>
<td>Text string &quot;Test&quot; in Katakana coding in 16 bits UCS2 alphabet format.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 11.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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

Device identities
- Source device: UICC
- Destination device: Terminal

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

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

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>12</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>01</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>03</td>
<td>08</td>
<td>30</td>
<td>EB</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TERMINAL RESPONSE: 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

Device identities
- Source device: Terminal
- Destination device: UICC

Result
- General Result: Command performed successfully
Release 6

256

Text string
Data coding scheme:
Text:

ETSI TS 102 384 V6.1.0 (2005-10)

unpacked, 8 bit data
"HELLO"

Coding:
BER-TLV:

81
8D

03
06

01
04

23
48

01
45

82
4C

02
4C

82
4F

81

83

01

00

Expected Sequence 11.2 (GET INPUT, max length for the text string coding in UCS2 in Katakana, successful)
Step
1

Direction
UICC →
Terminal
Terminal →
UICC
UICC →
Terminal

MESSAGE / Action
PROACTIVE COMMAND
PENDING: GET INPUT 11.2.1
FETCH

Comments

PROACTIVE COMMAND: GET
INPUT 11.2.1

4

Terminal →
USER

Display
"

Digits only, SMS default alphabet, Terminal to
echo text, packing not required, no help
information available.
Range of expected length is 5-5
Text string length 70 characters, coding in 16
bits UCS2 alphabet format.

5

USER →
Terminal
Terminal →
UICC

Enter the input "HELLO" and
completion
TERMINAL RESPONSE: GET
INPUT 11.2.1

2
3

6

ወወወወወወወወወወወወወወ
ወወወወወወወወወወወወወወ
ወወወወወወወወወወወወወወ
ወወወወወወወወወወወወወወ
ወወወወወወወወወወወወወወ"

Command performed successfully.

PROACTIVE COMMAND: GET INPUT 11.2.1
Logically:
Command details
Command number:
Command type:
Command qualifier:

1
GET INPUT
alphabet set, SMS default alphabet, input in unpacked format, Terminal to echo text,
no help information available

Device identities
Source device:
Destination device:

UICC
Terminal

Text String
Data coding scheme:

16 bit data UCS2 alphabet format

Text:

Response length
Minimum length:
Maximum length:

ወወወወወወወወወወወወወወወወወወወወወወወወወወወወወወወወወ
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ወወወ"

"

5
5

ETSI


Terminal Response: GET INPUT 11.2.1

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 81 82

BER-TLV: 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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 12.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 12.1.1</td>
<td>Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “Enter Hello”</td>
<td>Range of expected length is 2-2 Text string coding in unpacked format.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Enter the input &quot;ルル&quot; and completion</td>
<td>“TestTest” in Katakana, coding in UCS2 format.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET INPUT 12.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0C 04 45 6E 74 65 72 20 45 6E 74 65 72 20 48 65 6C 6C 6F 91 02 02 02</td>
</tr>
<tr>
<td>6F 91 02 02 02</td>
</tr>
</tbody>
</table>
```
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: "日々"

Coding:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>8D 03 01 23 03 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D 05 08 30 EB 30 EB</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET INPUT 12.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET INPUT 12.2.1</td>
<td>Character set, UCS2 alphabet, Terminal to echo text, packing not required, no help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Enter Hello&quot;</td>
<td>Range of expected length is no limit Text string coding in unpacked format.</td>
</tr>
</tbody>
</table>
| 5    | USER → Terminal | Enter the input "日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日々日子

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
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>03</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0C</td>
<td>04</td>
<td>45</td>
<td>6E</td>
<td>74</td>
<td>65</td>
<td>72</td>
<td>20</td>
<td>48</td>
<td>65</td>
<td>6C</td>
<td>6C</td>
</tr>
<tr>
<td></td>
<td>6F</td>
<td>91</td>
<td>02</td>
<td>05</td>
<td>FF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Device identities
Source device: Terminal
Destination device: UICC

Result
General Result: Command performed successfully
Data coding scheme: UCS2
Text: " мир ми“ (70 chars)

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>23</th>
<th>03</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8D</td>
<td>81</td>
<td>8D</td>
<td>08</td>
<td>30</td>
<td>EB</td>
<td>30</td>
<td>EB</td>
<td>30</td>
<td>EB</td>
<td>30</td>
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<td>EB</td>
<td>30</td>
<td>EB</td>
<td>30</td>
<td>EB</td>
<td>30</td>
<td>EB</td>
<td>30</td>
</tr>
</tbody>
</table>

27.22.4.3.12.5 Test requirement
The Terminal shall operate in the manner defined in expected sequences 12.1 to 12.2.
27.22.4.4 MORE TIME

27.22.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.4.2 Conformance requirement

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

- TS 102 223 [1], clauses 6.4.4, 6.6.4, 5.2, 8.6 and 8.7.

27.22.4.4.3 Test purpose

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

27.22.4.4.4 Method of test

27.22.4.4.4.1 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.

27.22.4.4.4.2 Procedure

**Expected Sequence 1.1 (MORE TIME)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: MORE TIME 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: MORE TIME 1.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: MORE TIME 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

**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:

- 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.
Expected Sequence 1.1 (PLAY TONE)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Dial Tone&quot;&lt;br&gt;Play a standard supervisory dial tone through the external ringer for a duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Sub. Busy&quot;&lt;br&gt;Play a standard supervisory called subscriber busy tone for a duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.3</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.3</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Congestion&quot;&lt;br&gt;Play a standard supervisory congestion tone for a duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.3</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.4</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;RP Ack&quot;&lt;br&gt;Play a standard supervisory radio path acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.4</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>------------------</td>
<td>--------------------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>25</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.5</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.5</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;No RP&quot; Play a standard supervisory radio path not available / call dropped tone for a duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.5 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.6</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.6</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Terminal → USER</td>
<td>Display &quot;Spec Info&quot; Play a standard supervisory error / special information tone for a duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.6 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.7</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.7</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>Terminal → USER</td>
<td>Display &quot;Call Wait&quot; Play a standard supervisory call waiting tone for a duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.7 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.8</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.8</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>Terminal → USER</td>
<td>Display &quot;Ring Tone&quot; Play a standard supervisory ringing tone for duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.8 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.9</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.9</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>52</td>
<td>Terminal → USER</td>
<td>Display &quot;This command instructs the Terminal to play an audio tone. Upon receiving this command, the Terminal 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 Terminal is...&quot;</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.9a or TERMINAL RESPONSE: PLAY TONE 1.1.9b</td>
<td>Command performed successfully. or Command beyond Terminal's capabilities.</td>
</tr>
<tr>
<td>54</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.10</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.10</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>Terminal → USER</td>
<td>Display &quot;Beep&quot; or Play a Terminal proprietary general beep</td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.10a or TERMINAL RESPONSE: PLAY TONE 1.1.10b</td>
<td>Command performed successfully. or Command beyond Terminal's capabilities.</td>
</tr>
<tr>
<td>60</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.11</td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.11</td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>Terminal → USER</td>
<td>Display &quot;Positive&quot; or Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.11a or TERMINAL RESPONSE: PLAY TONE 1.1.11b</td>
<td>Command performed successfully. or Command beyond Terminal's capabilities.</td>
</tr>
<tr>
<td>66</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.12</td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.12</td>
<td></td>
</tr>
<tr>
<td>70</td>
<td>Terminal → USER</td>
<td>Display &quot;Negative&quot; or Play a Terminal proprietary negative acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-------------------</td>
<td>------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>71</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.12a or TERMINAL</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RESPONSE: PLAY TONE 1.1.12b</td>
<td>or Command beyond Terminal’s capabilities.</td>
</tr>
<tr>
<td>72</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.13</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.13</td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>Terminal → USER</td>
<td>Display “Quick”</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary general beep</td>
<td></td>
</tr>
<tr>
<td>77</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.13a or TERMINAL</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RESPONSE: PLAY TONE 1.1.13b</td>
<td>or Command beyond Terminal’s capabilities.</td>
</tr>
<tr>
<td>78</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>79</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.14</td>
<td></td>
</tr>
<tr>
<td>80</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>81</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.14</td>
<td></td>
</tr>
<tr>
<td>82</td>
<td>Terminal → USER</td>
<td>Display “&lt;ABORT&gt;”</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal Error / Special information tone for 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>minute until user aborts this command</td>
<td></td>
</tr>
<tr>
<td>83</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.14</td>
<td>Proactive UICC session terminated by the user.</td>
</tr>
<tr>
<td>84</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>85</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.15</td>
<td></td>
</tr>
<tr>
<td>86</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>87</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.15</td>
<td>No alpha identifier, no tone tag, no duration tag.</td>
</tr>
<tr>
<td>88</td>
<td>Terminal → User</td>
<td>Terminal plays general beep, or if not supported any</td>
<td>Terminal uses default duration defined by Terminal-manufacturer.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(defined by Terminal-manufacturer) other supported</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>tone</td>
<td></td>
</tr>
<tr>
<td>89</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.15</td>
<td>Command performed successfully, Terminal uses general beep, or if not</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>supported any (defined by Terminal-manufacturer) other supported tone,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>uses default duration defined by Terminal-manufacturer.</td>
</tr>
<tr>
<td>90</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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 00 82 02 81 03 85
         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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
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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:

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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:

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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:

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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 Terminal to play an audio tone. Upon receiving this command, the Terminal 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 Terminal I"

Coding:

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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:

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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:

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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 |

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<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.1</td>
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</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Dial Tone&quot;</td>
<td>Play a standard supervisory dial tone through the external ringer for a duration of 5 s</td>
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<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.1</td>
<td>Command performed successfully.</td>
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<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.2</td>
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<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<td>UICC → Terminal</td>
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<td>Terminal → USER</td>
<td>Display &quot;Sub. Busy&quot;&lt;br&gt;Play a standard supervisory called subscriber busy tone for a duration of 5 s</td>
<td></td>
</tr>
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<td>TERMINAL RESPONSE: PLAY TONE 1.1.2</td>
<td>Command performed successfully.</td>
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<tr>
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<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.3</td>
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<td>PROACTIVE COMMAND: PLAY TONE 1.1.3</td>
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<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display &quot;Congestion&quot;&lt;br&gt;Play a standard supervisory congestion tone for a duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.3</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.4</td>
<td></td>
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<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.4</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display &quot;RP Ack&quot;&lt;br&gt;Play a standard supervisory radio path acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.4</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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<tr>
<td>25</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.5</td>
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<td>FETCH</td>
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<td>27</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.5</td>
<td></td>
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<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;No RP&quot;&lt;br&gt;Play a standard supervisory radio path not available / call dropped tone for a duration of 5 s</td>
<td></td>
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<tr>
<td>29</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.5</td>
<td>Command performed successfully.</td>
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<tr>
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<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.6</td>
<td></td>
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<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<tr>
<td>33</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.6</td>
<td></td>
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<tr>
<td>34</td>
<td>Terminal → USER</td>
<td>Display &quot;Spec Info&quot;&lt;br&gt;Play a standard supervisory error / special information tone for a duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
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<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.6</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>36</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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<td>37</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.7</td>
<td></td>
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<td>38</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.7</td>
<td></td>
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<td>40</td>
<td>Terminal → USER</td>
<td>Display &quot;Call Wait&quot;</td>
<td></td>
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<td></td>
<td></td>
<td>Play a standard supervisory call waiting tone for a duration of 5 s</td>
<td></td>
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<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.7</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>42</td>
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<tr>
<td>43</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.8</td>
<td></td>
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<tr>
<td>44</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<td>45</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.8</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>Terminal → USER</td>
<td>Display &quot;Ring Tone&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a standard supervisory ringing tone for duration of 5 s</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.8</td>
<td>Command performed successfully.</td>
</tr>
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<td>49</td>
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<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.9</td>
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<tr>
<td>51</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.9</td>
<td></td>
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<tr>
<td>52</td>
<td>Terminal → USER</td>
<td>Display &quot;This command instructs the Terminal to play an audio tone. Upon receiving this command, the Terminal 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 Terminal I&quot;</td>
<td>Play a general beep</td>
</tr>
<tr>
<td>53</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.9a</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or TERMINAL RESPONSE: PLAY TONE 1.1.9b</td>
<td>or Command beyond Terminal's capabilities.</td>
</tr>
<tr>
<td>54</td>
<td>UICC → Terminal</td>
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<tr>
<td>55</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.10</td>
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<td>56</td>
<td>Terminal → UICC</td>
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<tr>
<td>57</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.10</td>
<td></td>
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<td>MESSAGE / Action</td>
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<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| 58   | Terminal → USER | Display "Beep"  
Play a Terminal proprietary general beep |          |
| 59   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.10a  
Or  
TERMINAL RESPONSE: PLAY TONE 1.1.10b | Command performed successfully.  
or  
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"  
Play a Terminal proprietary positive acknowledgement tone |          |
| 65   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.11a  
or  
TERMINAL RESPONSE: PLAY TONE 1.1.11b | Command performed successfully.  
or  
Command beyond Terminal's capabilities. |
| 66   | UICC → Terminal | PROACTIVE UICC SESSION ENDED |          |
| 67   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.12 |          |
| 68   | Terminal → UICC | FETCH |          |
| 69   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.12 |          |
| 70   | Terminal → USER | Display "Negative"  
Play a Terminal proprietary negative acknowledgement tone |          |
| 71   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.12a  
or  
TERMINAL RESPONSE: PLAY TONE 1.1.12b | Command performed successfully.  
or  
Command beyond Terminal's capabilities. |
| 72   | UICC → Terminal | PROACTIVE UICC SESSION ENDED |          |
| 73   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.13 |          |
| 74   | Terminal → UICC | FETCH |          |
| 75   | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 1.1.13 |          |
| 76   | Terminal → USER | Display "Quick"  
Play a Terminal proprietary general beep |          |
| 77   | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 1.1.13a  
or  
TERMINAL RESPONSE: PLAY TONE 1.1.13b | Command performed successfully.  
or  
Command beyond Terminal's capabilities. |
<p>| 78   | UICC → Terminal | PROACTIVE UICC SESSION ENDED |          |
| 79   | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 1.1.14 |          |</p>
<table>
<thead>
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<th>Step</th>
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<th>MESSAGE / Action</th>
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<tr>
<td>80</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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</tr>
<tr>
<td>81</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.14</td>
<td></td>
</tr>
<tr>
<td>82</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;ABORT&gt;&quot;&lt;br&gt;Play a Terminal Error / Special information tone for 1 minute until user aborts this command</td>
<td></td>
</tr>
<tr>
<td>83</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.14</td>
<td>Proactive UICC session terminated by the user.</td>
</tr>
<tr>
<td>84</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>85</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.1.15</td>
<td></td>
</tr>
<tr>
<td>86</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>87</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.1.15</td>
<td>No alpha identifier, no tone tag, no duration tag.</td>
</tr>
<tr>
<td>88</td>
<td>Terminal → User</td>
<td>Terminal plays general beep, or if not supported any (defined by Terminal-manufacturer) other supported tone</td>
<td>Terminal uses default duration defined by Terminal-manufacturer.</td>
</tr>
<tr>
<td>89</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.1.15</td>
<td>Command performed successfully, Terminal uses general beep, or if not supported any (defined by Terminal-manufacturer) other supported tone, uses default duration defined by Terminal-manufacturer.</td>
</tr>
<tr>
<td>90</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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:

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</table>
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:

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</table>

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:

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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:

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**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:

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**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:

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</table>

ETSi
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:

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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:

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<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09</td>
<td>52</td>
<td>69</td>
<td>6E</td>
<td>67</td>
<td>20</td>
<td>54</td>
<td>6F</td>
<td>6E</td>
<td>65</td>
<td>8E</td>
<td>01</td>
</tr>
</tbody>
</table>

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: "Beep"

Tone: Terminal proprietary tones: general beep

Duration
Time unit: Seconds
Time interval: 1

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>16</th>
<th>81</th>
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<th>01</th>
<th>20</th>
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<th>81</th>
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<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>04</td>
<td>42</td>
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<td>65</td>
<td>70</td>
<td>8E</td>
<td>01</td>
<td>10</td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>16</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
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<th>85</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>42</td>
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<td>70</td>
<td>8E</td>
<td>01</td>
<td>10</td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1A</th>
<th>81</th>
<th>03</th>
<th>01</th>
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<th>03</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>08</td>
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<td>6F</td>
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<td>69</td>
<td>74</td>
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<td>01</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>01</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>08</td>
<td>4E</td>
<td>65</td>
<td>67</td>
<td>61</td>
<td>74</td>
<td>69</td>
<td>76</td>
<td>65</td>
<td>8E</td>
<td>01</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: Tenth 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 1.1.14

Logically:

Command details
Command number: 1
Command type: PLAY TONE
Command qualifier: "00"

Device identities
Source device: Terminal
Destination device: UICC

Result
General Result: Command beyond Terminal's capabilities

Coding:

BER-TLV: 81 03 01 20 00 82 02 82 81 83 01 30

TERMINAL RESPONSE: PLAY TONE 1.1.9b ..1.1.13b

Logically:
Result

General Result: Proactive UICC session terminated by user

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>10</th>
</tr>
</thead>
</table>

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:

- 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.
Procedure

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 2.1.1</td>
<td>UCS2 alphabet.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “ЗДРАВСТВУЙТЕ” and play a Terminal proprietary positive acknowledgement tone</td>
<td>“Hello” in Russian, 0x80 coding of UCS2 format.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 2.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 2.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 2.1.2</td>
<td>UCS2 alphabet.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display “ЗДРАВСТВУЙТЕ” and play a Terminal proprietary positive acknowledgement tone</td>
<td>“Hello” in Russian, 0x81 coding of UCS2 format.</td>
</tr>
</tbody>
</table>
Step | Direction | MESSAGE / Action | Comments |
---|---|---|---|
11 | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 2.1.1 | Command performed successfully. |
12 | UICC → Terminal | PROACTIVE UICC SESSION ENDED | |
13 | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 2.1.3 | |
14 | Terminal → UICC | FETCH | |
15 | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 2.1.3 | UCS2 alphabet. |
16 | Terminal → USER | Display "ЗДРАВСТВУЙТЕ" and play a Terminal proprietary positive acknowledgement tone | "Hello" in Russian, 0x82 coding of UCS2 format. |
17 | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 2.1.1 | Command performed successfully. |
18 | UICC → Terminal | PROACTIVE UICC SESSION 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**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>2B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>19</td>
<td>80</td>
<td>04</td>
<td>17</td>
<td>04</td>
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<td>12</td>
<td>04</td>
<td>23</td>
<td>04</td>
<td>19</td>
<td>04</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>15</td>
<td>8E</td>
<td>01</td>
<td>11</td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 3.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 3.1.1 BASIC-ICON self-explanatory.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display the basic icon without the alpha identifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 3.1.1A Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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_{Img})

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
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<td>4E</td>
</tr>
<tr>
<td></td>
<td>3E</td>
<td>8E</td>
<td>01</td>
<td>11</td>
<td>84</td>
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<td>01</td>
<td>01</td>
<td>1E</td>
<td>02</td>
<td>00</td>
<td>01</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 3.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 3.1.1 BASIC-ICON self-explanatory.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;BASIC-ICON&gt;&quot; without the icon Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 3.1.1B Command performed successfully, but requested icon could not be displayed.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 3.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 3.2.1</td>
<td>BASIC-ICON non self-explanatory.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;BASIC-ICON&gt;&quot; and the basic icon</td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 3.2.1A</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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_{Img})
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 3.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 3.2.1</td>
<td>BASIC-ICON non self-explanatory.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;BASIC-ICON&gt;&quot; without the basic icon. Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 3.2.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 3.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 3.3.1</td>
<td>COLOUR-ICON self-explanatory.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display the COLOUR-ICON without the alpha identifier</td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 3.3.1A</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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_{Img})

Coding:

BER-TLV: D0 23 81 03 01 20 00 82 02 82 81 03 85

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 3.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 3.3.1</td>
<td>COLOUR-ICON self-explanatory.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;COLOUR-ICON&gt;&quot; without the colour icon</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 3.3.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 3.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 3.4.1</td>
<td>COLOUR-ICON non self-explanatory.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;COLOUR-ICON&gt;&quot; and the colour icon, Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 3.4.1A</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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 Img)

Coding:

BER-TLV: D0 23 81 03 01 20 00 82 02 81 03 8E 01 11 84 02 01 01 1E 02 01

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 3.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 3.4.1</td>
<td>COLOUR-ICON non self-explanatory.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;&lt;COLOUR-ICON&gt;&quot; without the colour icon</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 3.4.1B</td>
<td>Command performed successfully, but</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>requested icon could not be</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>displayed.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display ‘Text Attribute 1’</td>
<td>Message shall be formatted with left alignment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.1.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display ‘Text Attribute 2’</td>
<td>Message shall be formatted without left alignment. Remark: If left alignment is the Terminal’s default alignment as declared in table A.2/8, no alignment change will take place.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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:

\[
\begin{array}{cccccccccccc}
\text{BER-TLV:} & \text{D0} & \text{22} & \text{81} & \text{03} & \text{01} & \text{20} & \text{00} & \text{82} & \text{02} & \text{81} & \text{03} & \text{85} \\
10 & 54 & 65 & 78 & 74 & 20 & 41 & 74 & 74 & 72 & 69 & 62 \\
75 & 74 & 65 & 20 & 32 & \text{8E} & 01 & 11 & 84 & 02 & 01 & 01 \\
\end{array}
\]

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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1' Play a Terminal proprietary positive acknowledgement tone</td>
<td>Message shall be formatted with center alignment.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.2.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.2.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 2' Play a Terminal proprietary positive acknowledgement tone</td>
<td>Message shall be formatted without center alignment. Remark: If center alignment is the Terminal's default alignment as declared in table A.2/8, no alignment change will take place.</td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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:

**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:

**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:

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display ‘Text Attribute 1’&lt;br&gt;Play a Terminal proprietary positive acknowledgement tone</td>
<td>Message shall be formatted with right alignment.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.3.2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.3.2</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display ‘Text Attribute 2’&lt;br&gt;Play a Terminal proprietary positive acknowledgement tone</td>
<td>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.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0 28 81 03 01 20 00 82 02 81 03 85</td>
</tr>
<tr>
<td>10 54 65 78 74 20 41 74 74 72 69 62</td>
</tr>
<tr>
<td>75 74 65 20 31 8E 01 11 84 02 01 01</td>
</tr>
</tbody>
</table>
```

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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>81 03 01 20 00 82 02 82 81 83 01 00</td>
</tr>
</tbody>
</table>
```

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.4.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1'</td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.4.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.4.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 2'</td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.4.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.4.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1'</td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.4.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.4.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 3'</td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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
```

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.5.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 1&quot;</td>
<td>Message shall be formatted with small font size.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.5.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.5.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Text Attribute 2&quot;</td>
<td>Message shall be formatted with normal font size.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>28</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
<td>62</td>
</tr>
<tr>
<td></td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>31</td>
<td>8E</td>
<td>01</td>
<td>11</td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>08</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>28</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>41</td>
<td>74</td>
<td>74</td>
<td>72</td>
<td>69</td>
<td>62</td>
</tr>
<tr>
<td></td>
<td>75</td>
<td>74</td>
<td>65</td>
<td>20</td>
<td>32</td>
<td>8E</td>
<td>01</td>
<td>11</td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 | D2 | D8 | D1 | D2 | D0 | D0 | D0 | D2 | D2 | D2 | D2 | D2 | D2 | D2 | D2 |
|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|          | 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:
  • 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.
### Expected Sequence 4.6 (PLAY TONE, Text Attribute - Bold On)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.6.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1' Play a Terminal proprietary positive acknowledgement tone</td>
<td>Message shall be formatted with bold on.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.6.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.6.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 2' Play a Terminal proprietary positive acknowledgement tone</td>
<td>Message shall be formatted with bold off.</td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.6.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.6.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1' Play a Terminal proprietary positive acknowledgement tone</td>
<td>Message shall be formatted with bold on.</td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.6.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.6.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 3' Play a Terminal proprietary positive acknowledgement tone</td>
<td>Message shall be formatted with bold off.</td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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:

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<tr>
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<td>01</td>
<td>11</td>
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<td>02</td>
</tr>
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<td></td>
<td>01</td>
<td>01</td>
<td>D0</td>
<td>04</td>
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<td>0E</td>
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<td>B4</td>
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</tr>
</tbody>
</table>

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:

<table>
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<tr>
<th>BER-TLV:</th>
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<tr>
<td></td>
<td>10 54 65 78 74 20 41 74 74 72 69 62</td>
</tr>
<tr>
<td></td>
<td>75 74 65 20 32 8E 01 11 84 02 01 01</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 22 81 03 01 20 00 82 02 81 03 85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 54 65 78 74 20 41 74 74 72 69 62</td>
</tr>
<tr>
<td></td>
<td>75 74 65 20 33 8E 01 11 84 02 01 01</td>
</tr>
</tbody>
</table>

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.
Conformance requirement

The Terminal shall support the PLAY TONE command as defined in:
- 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.

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.

Method of test

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.

Procedure

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.7.1</td>
<td></td>
</tr>
</tbody>
</table>
| 4    | Terminal → USER   | Display 'Text Attribute 1'
Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with italic on. |
| 5    | Terminal → UICC   | TERMINAL RESPONSE: PLAY TONE 4.7.1 | Command performed successfully. |
| 6    | UICC → Terminal   | PROACTIVE UICC SESSION ENDED |          |
| 7    | UICC → Terminal   | PROACTIVE COMMAND PENDING: PLAY TONE 4.7.2 |          |
| 8    | Terminal → UICC   | FETCH            |          |
| 9    | UICC → Terminal   | PROACTIVE COMMAND: PLAY TONE 4.7.2 |          |
| 10   | Terminal → USER   | Display 'Text Attribute 2'
Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with italic off. |
<p>| 11   | Terminal → UICC   | TERMINAL RESPONSE: PLAY TONE 4.7.1 | Command performed successfully. |
| 12   | UICC → Terminal   | PROACTIVE UICC SESSION ENDED |          |
| 13   | UICC → Terminal   | PROACTIVE COMMAND PENDING: PLAY TONE 4.7.1 |          |
| 14   | Terminal → UICC   | FETCH            |          |
| 15   | UICC → Terminal   | PROACTIVE COMMAND: PLAY TONE 4.7.1 |          |</p>
<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1'</td>
<td>Message shall be formatted with italic on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.7.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.7.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 3'</td>
<td>Message shall be formatted with italic off.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

**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**

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<th>B4</th>
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</table>

- **Coding:**

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<th>03</th>
<th>01</th>
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<th>82</th>
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</tr>
<tr>
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<td>D0</td>
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<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 83 01 01

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:

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<td>11</td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>

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:
- 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)

<table>
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<tr>
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<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.8.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1'</td>
<td>Message shall be formatted with underline on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.8.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.8.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 2'</td>
<td>Message shall be formatted with underline off.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.8.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.8.1</td>
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</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1'</td>
<td>Message shall be formatted with underline on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.8.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.8.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 3'</td>
<td>Message shall be formatted with underline off.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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 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:

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:

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.9.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.9.1</td>
<td></td>
</tr>
</tbody>
</table>
| 4    | Terminal → USER | Display ‘Text Attribute 1’  
Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with strikethrough on. |
| 5    | Terminal → UICC | TERMINAL RESPONSE: PLAY TONE 4.9.1 | Command performed successfully. |
| 6    | UICC → Terminal | PROACTIVE UICC SESSION ENDED |          |
| 7    | UICC → Terminal | PROACTIVE COMMAND PENDING: PLAY TONE 4.9.2 |          |
| 8    | Terminal → UICC | FETCH |          |
| 9    | UICC → Terminal | PROACTIVE COMMAND: PLAY TONE 4.9.2 |          |
| 10   | Terminal → USER | Display ‘Text Attribute 2’  
Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with strikethrough off. |
<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.9.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.9.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 1'</td>
<td>Message shall be formatted with strikethrough on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.9.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.9.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display 'Text Attribute 3'</td>
<td>Message shall be formatted with strikethrough off.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Play a Terminal proprietary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>positive acknowledgement tone</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 28 81 03 01 20 00 82 02 81 03 85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 54 65 78 74 20 41 74 74 72 69 62</td>
</tr>
<tr>
<td></td>
<td>75 74 65 20 31 8E 01 11 84 02 01 01</td>
</tr>
<tr>
<td></td>
<td>D0 04 00 10 80 B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 28 81 03 01 20 00 82 02 81 03 85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 54 65 78 74 20 41 74 74 72 69 62</td>
</tr>
<tr>
<td></td>
<td>75 74 65 20 32 8E 01 11 84 02 01 01</td>
</tr>
<tr>
<td></td>
<td>D0 04 00 10 80 B4</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV: D0 22 81 03 01 20 00 82 02 81 03 85</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 54 65 78 74 20 41 74 74 72 69 62</td>
</tr>
<tr>
<td>75 74 65 20 33 8E 01 11 84 02 01 01</td>
</tr>
</tbody>
</table>

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:
- 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.
Expected Sequence 4.10 (PLAY TONE, Text Attribute - Foreground and Background Colour)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 4.10.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 4.10.1</td>
<td></td>
</tr>
</tbody>
</table>
| 4    | Terminal → USER    | Display 'Text Attribute 1'
                  Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted according to the foreground and background colour text attribute configuration. |
| 5    | Terminal → UICC    | TERMINAL RESPONSE: PLAY TONE 4.10.1                   | Command performed successfully.                                           |
| 6    | UICC → Terminal    | PROACTIVE UICC SESSION ENDED                          |                                                                          |
| 7    | UICC → Terminal    | PROACTIVE COMMAND PENDING: PLAY TONE 4.10.2           |                                                                          |
| 8    | Terminal → UICC    | FETCH                                                 |                                                                          |
| 9    | UICC → Terminal    | PROACTIVE COMMAND: PLAY TONE 4.10.2                   |                                                                          |
| 10   | Terminal → USER    | Display 'Text Attribute 2'
                  Play a Terminal proprietary positive acknowledgement tone | Message shall be formatted with the Terminal's default foreground and background colour. |
| 11   | Terminal → UICC    | TERMINAL RESPONSE: PLAY TONE 4.10.1                   | Command performed successfully.                                           |
| 12   | UICC → Terminal    | PROACTIVE UICC SESSION 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  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  83  01  00
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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 5.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 5.1.1</td>
<td>UCS2 alphabet.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;中一&quot; and play a Terminal proprietary positive acknowledgement tone</td>
<td>&quot;Middle 1&quot; in Chinese, 0x80 coding of UCS2 format.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 5.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 5.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 5.1.2</td>
<td>UCS2 alphabet.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;中一&quot; and play a Terminal proprietary positive acknowledgement tone</td>
<td>&quot;Middle 1&quot; in Chinese, 0x81 coding of UCS2 format.</td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 5.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
### PROACTIVE COMMAND: PLAY TONE 5.1.1

Logically:

<table>
<thead>
<tr>
<th>Command details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Command number:</td>
</tr>
<tr>
<td>Command type:</td>
</tr>
<tr>
<td>Command qualifier:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Device identities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source device:</td>
</tr>
<tr>
<td>Destination device:</td>
</tr>
<tr>
<td>Alpha Identifier</td>
</tr>
<tr>
<td>Tone:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time unit:</td>
</tr>
<tr>
<td>Time interval:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coding</th>
</tr>
</thead>
<tbody>
<tr>
<td>BER-TLV:</td>
</tr>
<tr>
<td>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</td>
</tr>
</tbody>
</table>

### PROACTIVE COMMAND: PLAY TONE 5.1.2

Logically:

<table>
<thead>
<tr>
<th>Command details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Command number:</td>
</tr>
<tr>
<td>Command type:</td>
</tr>
<tr>
<td>Command qualifier:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Device identities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source device:</td>
</tr>
<tr>
<td>Destination device:</td>
</tr>
<tr>
<td>Alpha Identifier</td>
</tr>
<tr>
<td>Tone:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time unit:</td>
</tr>
<tr>
<td>Time interval:</td>
</tr>
</tbody>
</table>
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
```

**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: "Φ—"
  - 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
```

**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:

- 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 USIM 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 6.1.1 UCS2 alphabet.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “80∥0/”&lt;br&gt;Play a Terminal standard supervisory dial tone for 5 seconds&lt;br&gt;“80Test0” in Katakana, 0x80 coding of UCS2 format.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 6.1.1 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 6.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 6.1.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display “81∥1/”&lt;br&gt;Play a Terminal standard supervisory dial tone for 5 seconds&lt;br&gt;“81Test1” in Katakana, 0x81 coding of UCS2 format.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 6.1.1 Command performed successfully.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 6.1.3</td>
<td></td>
</tr>
</tbody>
</table>
## Step 14
**Terminal → UICC**
**MESSAGE / Action:** FETCH

## Step 15
**UICC → Terminal**
**MESSAGE / Action:** PROACTIVE COMMAND: PLAY TONE 6.1.3

## Step 16
**Terminal → USER**
**MESSAGE / Action:** Display "82 JL 2"
- Play a Terminal standard supervisory dial tone for 5 seconds
- "82Test2" in Katakana, 0x82 coding of UCS2 format.

## Step 17
**Terminal → UICC**
**MESSAGE / Action:** TERMINAL RESPONSE: PLAY TONE 6.1.1
**Comments:** Command performed successfully.

## Step 18
**UICC → Terminal**
**MESSAGE / Action:** PROACTIVE UICC SESSION 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:** "80 JL 0"
- **Tone:** Terminal proprietary tones: Standard supervisory tones: Dial tone

**Duration**
- **Time unit:** Seconds
- **Time interval:** 5

**Coding:**

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09</td>
<td>80</td>
<td>00</td>
<td>38</td>
<td>00</td>
<td>30</td>
<td>30</td>
<td>EB</td>
<td>00</td>
<td>30</td>
<td>8E</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>01</td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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:** "81 JL 1"
- **Tone:** Terminal proprietary tones: Standard supervisory tones: Dial tone

**Duration**
- **Time unit:** Seconds
- **Time interval:** 5
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: "82\/-2"
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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POLL INTERVAL 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POLL INTERVAL 1.1.1</td>
<td>Duration: 20 seconds.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POLL INTERVAL 1.1.1</td>
<td>Command performed successfully, duration depends on the Terminal's capabilities.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>Terminal polls in intervals as stated in the duration TLV of TERMINAL RESPONSE: POLL INTERVAL 1.1.1</td>
<td></td>
</tr>
</tbody>
</table>

**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 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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: REFRESH 1.2.1</td>
<td>To inform the Terminal that there is a change in ICCID value.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: REFRESH 1.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>UICC</td>
<td>Update EF ICCID</td>
<td>New EF ICCID value: 98010000000012345678.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: REFRESH 1.2.1A Or TERMINAL RESPONSE: REFRESH 1.2.1B</td>
<td>Additional EFs read.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>10</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>01</th>
<th>01</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>92</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>05</td>
<td>01</td>
<td>3F</td>
<td>00</td>
<td>2F</td>
<td>E2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ETSII
TERMINAL RESPONSE: REFRESH 1.2.1A

Logically:

Command details
- Command number: 1
- Command type: REFRESH
- Command qualifier: File Change Notification

Device identities
- Source device: Temporal
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: REFRESH 1.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>REFRESH 1.5.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal</td>
<td>Terminal resets the UICC and</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>perform NAA initialization if any</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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:

- 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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 1.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 1.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; and &quot;Item 4&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 1.1.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;, &quot;Item 4&quot;</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Select the &quot;Item 2&quot; Menu entry</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 1.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 1.1.2</td>
<td>Second Set Up Menu, REPLACE Old Menu.</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 1.1.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the new menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;One&quot; and &quot;Two&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------------</td>
<td>------------------------------------------</td>
<td>------------------------------------------------------------</td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 1.1.2</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;One&quot;, &quot;Two&quot;</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Select the &quot;Two&quot; menu entry</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 1.1.2: MENU SELECTION</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Identifier of item: 12)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 1.1.3 with SW1 / SW2 of '91 0F'.</td>
<td>Third Set Up Menu, REMOVE Toolkit Menu.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 1.1.3</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>Remove the menu &quot;Toolkit Menu&quot; from its menu system.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 1.1.3</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Has to unsuccessfully find the Toolkit Menu</td>
<td></td>
</tr>
</tbody>
</table>

**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"
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 6D 6E 74 65 73 74 6F 72 73 75 6C 6C 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 34

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

ETSI
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: 03 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: 03 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 1.2.1</td>
<td>First Large Menu with many items, Fetch of FF bytes.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
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<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 1.2.1</td>
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<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 1.2.1</td>
<td>Command Performed Successfully.</td>
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<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit &quot;LargeMenu1&quot;</td>
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</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Zero&quot;, &quot;One&quot;, &quot;Two&quot; ... &quot;pico&quot;</td>
<td></td>
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<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Select the &quot;Orange&quot; menu entry</td>
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<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 1.2.1: MENU SELECTION (Identifier of item: 0x3D)</td>
<td>Second Large Menu with large items, Fetch of F6 bytes.</td>
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<td>Terminal → UICC</td>
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<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 1.2.2</td>
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<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the new menu header of &quot;LargeMenu2&quot; into its menu system and have the menu items of &quot;1 Call Forward Unconditional&quot;, &quot;2 Call Forward On User Busy&quot;, &quot;3 Call Forward On No Reply&quot;, &quot;4 Call Forward On User Not Reachable&quot;, &quot;5 Barring Of All Outgoing Calls&quot;, &quot;6 Barring Of All Outgoing Int Calls&quot; and &quot;7 CLI Presentation&quot; under this header.</td>
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<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 1.2.2</td>
<td>Command Performed Successfully.</td>
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<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;LargeMenu2&quot;</td>
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<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;1 Call Forward Unconditional&quot;, &quot;2 Call Forward On User Busy&quot;, &quot;3 Call Forward On No Reply&quot;, &quot;4 Call Forward On User Not Reachable&quot;, &quot;5 Barring Of All Outgoing Calls&quot;, &quot;6 Barring Of All Outgoing Int Calls&quot;, &quot;7 CLI Presentation&quot;</td>
<td></td>
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<td>19</td>
<td>USER → Terminal</td>
<td>Select the &quot;5 Barring Of All Outgoing Calls&quot; menu entry</td>
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<td>Direction</td>
<td>MESSAGE / Action</td>
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<td>PROACTIVE COMMAND PENDING: SET UP MENU 1.2.3</td>
<td>Third Large Menu with a Large Alpha Identifier and only one Short Item, Fetch of FF bytes.</td>
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<td>PROACTIVE COMMAND SET UP MENU 1.2.3</td>
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<td>24</td>
<td>Terminal → USER</td>
<td>Integrate the new menu header of &quot;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&quot; into it's menu system and have a menu item of &quot;Y&quot; under this header.</td>
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<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;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&quot;.</td>
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<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Y&quot;</td>
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<td>29</td>
<td>USER → Terminal</td>
<td>Select the item &quot;Y&quot;</td>
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<td>Send the ENVELOPE 1.2.3: MENU SELECTION (Identifier of item: 1)</td>
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**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"
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</table>
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:**

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</tr>
</tbody>
</table>

**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"
**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:**

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
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</tr>
</tbody>
</table>
```

**ENVELOPE 1.2.1: MENU SELECTION**

**Logically:**

**Menu selection**
- Device identities
  - Source device: Keypad
  - Destination device: UICC
- Item identifier: 3D

**Coding:**

```
| BER-TLV: | 03 | 07 | 82 | 02 | 01 | 81 | 90 | 01 | 3D |
```
ENVELOPE 1.2.2: MENU SELECTION

Logically:

Menu selection
Device identities
Source device: Keypad
Destination device: UICC
Item identifier FB

Coding:

<table>
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<tr>
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<th>07</th>
<th>82</th>
<th>02</th>
<th>01</th>
<th>81</th>
<th>90</th>
<th>01</th>
<th>FB</th>
</tr>
</thead>
</table>

ENVELOPE 1.2.3: MENU SELECTION

Logically:

Menu selection
Device identities
Source device: Keypad
Destination device: UICC
Item identifier 01

Coding:

<table>
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<th>01</th>
<th>81</th>
<th>90</th>
<th>01</th>
<th>01</th>
</tr>
</thead>
</table>

The following table details the test requirements with relation to the tested features:

<table>
<thead>
<tr>
<th>Proactive UICC Command Number</th>
<th>Proactive UICC Command Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha Identifier</td>
<td>Number of items</td>
</tr>
<tr>
<td>Length</td>
<td>1.1.1  12  4  6</td>
</tr>
<tr>
<td></td>
<td>1.1.2  12  2  3</td>
</tr>
<tr>
<td></td>
<td>1.1.3  10  0  -</td>
</tr>
<tr>
<td></td>
<td>1.2.1  10  30 8</td>
</tr>
<tr>
<td></td>
<td>1.2.2  10  7  37</td>
</tr>
<tr>
<td></td>
<td>1.2.3  235 1 1 1</td>
</tr>
</tbody>
</table>

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 2.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 2.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; and &quot;Item 4&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 2.1.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;, &quot;Item 4&quot;</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Select the Help Request on &quot;Item 2&quot; Menu entry</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 2.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
</tbody>
</table>

**PROACTIVE COMMAND: SET UP MENU 2.1.1**

Logically:

<table>
<thead>
<tr>
<th>Command details</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Command number:</td>
<td>1</td>
</tr>
<tr>
<td>Command type:</td>
<td>SET UP MENU</td>
</tr>
<tr>
<td>Command qualifier:</td>
<td>&quot;80&quot;</td>
</tr>
</tbody>
</table>
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:

<table>
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<tr>
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<th>3B</th>
<th>81</th>
<th>03</th>
<th>01</th>
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<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
</tr>
</tbody>
</table>

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 3.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 3.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; and &quot;Item 4&quot; under this header.</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 3.1.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;, &quot;Item 4&quot;</td>
<td>The Terminal may indicate to the user the consequences of performing the selection of an item.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td>The Terminal may indicate to the user the consequences of performing the selection of an item.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
</tbody>
</table>

**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"
- Identifier of item: 2
- Text string of item: "Item 2"
- Identifier of item: 3
- Text string of item: "Item 3"
- 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"
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 03 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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 4.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 4.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 4.1.1A</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td>Verify the icon is displayed with alpha id.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td>Verify icons are displayed for each item.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
</tbody>
</table>

**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"
- 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:**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0 3C 81 03 01 25 00 82 02 81 82 85</td>
</tr>
<tr>
<td>0C 54 6F 6F 6C 6B 69 74 20 4D 65 6E</td>
</tr>
<tr>
<td>75 8F 07 01 49 74 6D 20 33 9E 02 01 01</td>
</tr>
<tr>
<td>9F 04 01 05</td>
</tr>
</tbody>
</table>

**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:**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>81 03 01 25 00 82 02 81 83 01 00</td>
</tr>
</tbody>
</table>

**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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 4.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 4.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 4.1.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>--------------</td>
<td>------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under the header &quot;Toolkit Menu&quot;.</td>
<td>Verify that either for the header or for each of the items no icon is displayed.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
</tbody>
</table>

**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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 4.2.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 4.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 4.2.1A</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td>Verify the icon is displayed in alpha id.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td>Verify icons are displayed for each item.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
</tbody>
</table>

**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"
- Identifier of item: 2
- Text string of item: "Item 2"
- 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)
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: D0 3C 81 03 01 25 00 82 02 81 82 85 0C 54 6F 6F 6C 6B 69 74 20 4D 65 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

Expected Sequence 4.2B (SET UP MENU, BASIC ICON SELF EXPLANATORY in ALPHA ID and ITEMS DATA OBJECTS, requested icon could not be displayed)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 4.2.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 4.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 4.2.1B</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under the header of &quot;Toolkit Menu&quot;.</td>
<td>Verify that either for the header or for each of the items no icon is displayed.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
</tbody>
</table>
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.
### Expected Sequence 5.1 (SET UP MENU, SOFT KEY PREFERRED, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 5.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 5.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 5.1.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td>Verify we can select items through soft keys.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 3.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
</tbody>
</table>

**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:**

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>00 29 81 03 01 25 01 82 02 81 82 85</td>
<td></td>
</tr>
<tr>
<td>0C 54 6F 06 6C 6B 69 74 20 4D 65 6E</td>
<td></td>
</tr>
<tr>
<td>75 8F 07 01 4B 74 65 20 31 8F 07</td>
<td></td>
</tr>
<tr>
<td>02 49 74 65 6D 20 32</td>
<td></td>
</tr>
</tbody>
</table>
TERMINAL RESPONSE: SET UP MENU 5.1.1

Logically:

Command details
Command number: 1
Command type: SET UP MENU
Command qualifier: "no help information available"

Device identities
Source device: 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

27.22.4.8.5.5 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:
- 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.
Expected Sequence 6.1 (SET UP MENU, Text Attribute - Left Alignment, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.1.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify the text attribute of the alpha id is displayed with left alignment.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;.</td>
<td>Verify text attribute of each item are displayed with left alignment.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
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<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.1.2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<td>PROACTIVE COMMAND SET UP MENU 6.1.2</td>
<td></td>
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<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 2&quot; into its menu system and have the menu items of &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.1.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
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<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 2&quot;</td>
<td>Verify the text attribute of the alpha id is displayed without left alignment. Remark: If left alignment is the Terminal's default alignment as declared in table A.2/9, no alignment change will take place.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot;.</td>
<td>Verify text attribute of each item are displayed without left alignment. Remark: If left alignment is the Terminal's default alignment as declared in table A.2/9, no alignment change will take place.</td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
</tbody>
</table>
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
- 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

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</table>
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:

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</tr>
</tbody>
</table>

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:

- 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.
Expected Sequence 6.2 (SET UP MENU, Text Attribute - Center Alignment, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.2.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify the text attribute of the alpha id is displayed with center alignment.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;.</td>
<td>Verify text attribute of each item are displayed with center alignment.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.2.2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.2.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 2&quot; into its menu system and have the menu items of &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.2.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 2&quot;</td>
<td>Verify the text attribute of the alpha id is displayed without center alignment. Remark: If center alignment is the Terminal's default alignment as declared in table A.2/9, no alignment change will take place.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot;.</td>
<td>Verify text attribute of each item are displayed without center alignment. Remark: If center alignment is the Terminal's default alignment as declared in table A.2/9, no alignment change will take place.</td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
</tbody>
</table>
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:

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</tr>
</tbody>
</table>
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:

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</tbody>
</table>

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:

- 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)**

<table>
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<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.3.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td>Verify the text attribute of the alpha id is displayed with right alignment.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;</td>
<td>Verify text attribute of each item are displayed with right alignment.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.3.2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.3.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 2&quot; into its menu system and have the menu items of &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.3.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 2&quot;</td>
<td>Verify the text attribute of the alpha id is displayed without right alignment. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/9, no alignment change will take place.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot;.</td>
<td>Verify text attribute of each item are displayed without right alignment. Remark: If right alignment is the Terminal's default alignment as declared in table A.2/9, no alignment change will take place.</td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
</tbody>
</table>

**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
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>48</th>
<th>81</th>
<th>03</th>
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<tr>
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</table>

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
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:

- 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.

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>34</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>25</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
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<tbody>
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<td>6C</td>
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<td>74</td>
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<td>65</td>
<td>6E</td>
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<td></td>
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<td>04</td>
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<td>74</td>
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<td>6D</td>
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<tr>
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<td>20</td>
<td>35</td>
<td>8F</td>
<td>07</td>
<td>06</td>
</tr>
</tbody>
</table>
### 27.22.4.8.6.4.4.2 Procedure

**Expected Sequence 6.4 (SET UP MENU, Text Attribute - Large Font Size, successful)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.4.1 Command Performed Successfully.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify that the alpha id is displayed with large font size.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;.</td>
<td>Verify that each item is displayed with large font size.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 2&quot; into its menu system and have the menu items of &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.4.1 Command Performed Successfully.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 2&quot;</td>
<td>Verify that the alpha id is displayed with normal font size.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot;.</td>
<td>Verify that each item is displayed with normal font size.</td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.1</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.1</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.4.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 1”</td>
<td>Verify that the alpha id is displayed with large font size.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;. Verify that each item is displayed with large font size.</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.3</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of “Toolkit Menu 3” into its menu system and have the menu items of &quot;Item 7&quot;, &quot;Item 8&quot;, &quot;Item 9&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.4.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>36</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 3”</td>
<td>Verify that the alpha id is displayed with normal font size.</td>
</tr>
<tr>
<td>38</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 7&quot;, &quot;Item 8&quot;, &quot;Item 9&quot;. Verify that each item is displayed with normal font size.</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 8&quot;.</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8)</td>
<td></td>
</tr>
</tbody>
</table>

**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"
- Identifier of item: 2
  - Text string of item: "Item 2"
- Identifier of item: 3
  - Text string of item: "Item 3"
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:
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
- 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 00 B4 D1 0C 00 06 00 B4 00 06 00 B4 00 06
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>34</th>
<th>81</th>
<th>03</th>
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<tr>
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<td>8F</td>
<td>07</td>
<td>08</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>38</td>
<td>8F</td>
<td>07</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>39</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ENVELOPE 6.4.1: MENU SELECTION

Logically:

Menu selection
Device identities
Source device: Keypad
Destination device: UICC
Item identifier 08

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D3</th>
<th>07</th>
<th>82</th>
<th>02</th>
<th>01</th>
<th>81</th>
<th>90</th>
<th>01</th>
<th>08</th>
<th></th>
</tr>
</thead>
</table>

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.5.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.5.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify that the alpha id is displayed with small font size.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;</td>
<td>Verify that each item is displayed with small font size.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 2&quot; into its menu system and have the menu items of &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.5.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-------------------</td>
<td>-------------------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 2”</td>
<td>Verify that the alpha id is displayed with normal font size.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display “Item 4”, “Item 5”, “Item 6”.</td>
<td>Verify that each item is displayed with normal font size.</td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select “Item 5”.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.5.1</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.5.1</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.5.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 1”</td>
<td>Verify that the alpha id is displayed with small font size.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display “Item 1”, “Item 2”, “Item 3”.</td>
<td>Verify that each item is displayed with small font size.</td>
</tr>
<tr>
<td>29</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select “Item 2”.</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.3</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Terminal → USER</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.5.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>36</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 3”</td>
<td>Verify that the alpha id is displayed with normal font size.</td>
</tr>
<tr>
<td>38</td>
<td>Terminal → USER</td>
<td>Display “Item 7”, “Item 8”, “Item 9”.</td>
<td>Verify that each item is displayed with normal font size.</td>
</tr>
<tr>
<td>39</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select “Item 8”.</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8)</td>
<td></td>
</tr>
</tbody>
</table>
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:

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<tr>
<th>BER-TLV:</th>
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<th>01</th>
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<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
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</thead>
<tbody>
<tr>
<td>0E</td>
<td>54</td>
<td>6F</td>
<td>6F</td>
<td>6C</td>
<td>6B</td>
<td>69</td>
<td>74</td>
<td>20</td>
<td>4D</td>
<td>65</td>
<td>6E</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>20</td>
<td>31</td>
<td>8F</td>
<td>07</td>
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<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td>8F</td>
<td>07</td>
<td>02</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>32</td>
<td>8F</td>
<td>07</td>
<td>03</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>33</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>0E</td>
<td>08</td>
<td>B4</td>
<td></td>
</tr>
<tr>
<td>D1</td>
<td>0C</td>
<td>00</td>
<td>06</td>
<td>08</td>
<td>B4</td>
<td>00</td>
<td>06</td>
<td>08</td>
<td>B4</td>
<td>00</td>
<td>06</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:
- 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.
### Procedure

**Expected Sequence 6.6 (SET UP MENU, Text Attribute - Bold On, successful)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.6.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.6.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify that the alpha id is displayed with bold on.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;</td>
<td>Verify that each item is displayed with bold on.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.6.1</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.6.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 2&quot; into its menu system and have the menu items of &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.6.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 2&quot;</td>
<td>Verify that the alpha id is displayed with bold off.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot;</td>
<td>Verify that each item is displayed with bold off.</td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.6.1</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.6.1</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
</tbody>
</table>
Step | Direction | MESSAGE / Action | Comments
--- | --- | --- | ---
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" | Verify that the alpha id is displayed with bold on.
28 | Terminal → USER | Display "Item 1", "Item 2", "Item 3". | Verify that 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" | Verify that the alpha id is displayed with bold off.
38 | Terminal → USER | Display "Item 7", "Item 8", "Item 9". | Verify that each item is displayed with bold 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 6.6.1

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
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>48</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>25</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td>BER-TLV:</td>
<td>54</td>
<td>6F</td>
<td>6F</td>
<td>6C</td>
<td>6B</td>
<td>69</td>
<td>74</td>
<td>20</td>
<td>4D</td>
<td>65</td>
<td>6E</td>
<td></td>
</tr>
<tr>
<td>BER-TLV:</td>
<td>75</td>
<td>20</td>
<td>31</td>
<td>8F</td>
<td>07</td>
<td>01</td>
<td>48</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>31</td>
</tr>
<tr>
<td>BER-TLV:</td>
<td>8F</td>
<td>07</td>
<td>02</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>32</td>
<td>8F</td>
<td>07</td>
<td>03</td>
</tr>
<tr>
<td>BER-TLV:</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>33</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>0E</td>
<td>10</td>
<td>B4</td>
</tr>
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<td>BER-TLV:</td>
<td>D1</td>
<td>0C</td>
<td>00</td>
<td>06</td>
<td>10</td>
<td>B4</td>
<td>00</td>
<td>06</td>
<td>10</td>
<td>B4</td>
<td>00</td>
<td>06</td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.7.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.7.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify that the alpha id is displayed with italics on.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;.</td>
<td>Verify that each item is displayed with italics on.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.7.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 2”</td>
<td>Verify that the alpha id is displayed with italics off.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display “Item 4”, “Item 5”, “Item 6”.</td>
<td>Verify that each item is displayed with italics off.</td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select “Item 5”.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.7.1</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.7.1</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.7.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 1”.</td>
<td>Verify that the alpha id is displayed with italics on.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display “Item 1”, “Item 2”, “Item 3”.</td>
<td>Verify that each item is displayed with italics on.</td>
</tr>
<tr>
<td>29</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select “Item 2”.</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.3</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Terminal → USER</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.7.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>36</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
### Step 37
**Direction:** USER → Terminal  
**MESSAGE / Action:** Select the Toolkit Menu "Toolkit Menu 3"  
**Comments:** Verify that the alpha id is displayed with italics off.

### Step 38
**Direction:** Terminal → USER  
**MESSAGE / Action:** Display "Item 7", "Item 8", "Item 9".  
**Comments:** Verify that each item is displayed with italics off.

### Step 39
**Direction:** USER → Terminal  
**MESSAGE / Action:** Navigate in the items, then select "Item 8".

### Step 40
**Direction:** Terminal → UICC  
**MESSAGE / Action:** 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**

**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
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: D0 48 81 03 01 25 00 82 02 81 82 85
0E 54 6F 6F 6C 6B 69 20 4D 65 6E
75 20 31 8F 07 01 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

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.8.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.8.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify that the alpha id is displayed with underline on.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;. Verify that each item is displayed with underline on.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.8.1</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.8.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 2&quot; into its menu system and have the menu items of &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.8.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 2&quot;</td>
<td>Verify that the alpha id is displayed with underline off.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot;. Verify that each item is displayed with underline off.</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.8.1</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.8.1</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 1”</td>
<td>Verify that the alpha id is displayed with underline on.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;.</td>
<td>Verify that each item is displayed with underline on.</td>
</tr>
<tr>
<td>29</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.3</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 3&quot; into its menu system and have the menu items of &quot;Item 7&quot;, &quot;Item 8&quot;, &quot;Item 9&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.8.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>36</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “Toolkit Menu 3”</td>
<td>Verify that the alpha id is displayed with underline off.</td>
</tr>
<tr>
<td>38</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 7&quot;, &quot;Item 8&quot;, &quot;Item 9&quot;.</td>
<td>Verify that each item is displayed with underline off.</td>
</tr>
<tr>
<td>39</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 8&quot;.</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8)</td>
<td></td>
</tr>
</tbody>
</table>

**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:

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</tbody>
</table>
| 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
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:

- 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)

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<thead>
<tr>
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<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
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<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.9.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.9.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
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<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
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</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.9.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify that the alpha id is displayed with strikethrough on.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;. Verify that each item is displayed with strikethrough on.</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.2</td>
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</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
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<td>PROACTIVE COMMAND SET UP MENU 6.4.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 2&quot; into its menu system and have the menu items of &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.9.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 2&quot;</td>
<td>Verify that the alpha id is displayed with strikethrough off.</td>
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<tr>
<td>18</td>
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<td>Display &quot;Item 4&quot;, &quot;Item 5&quot;, &quot;Item 6&quot;. Verify that each item is displayed with strikethrough off.</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.2: MENU SELECTION (Identifier of item: 5)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.9.1</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.9.1</td>
<td></td>
</tr>
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<td>24</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 1&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.9.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 1&quot;</td>
<td>Verify that the alpha id is displayed with strikethrough on.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;. Verify that each item is displayed with strikethrough on.</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
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<td>30</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
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<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3</td>
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<td>Comments</td>
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<td>32</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
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<td>33</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.3</td>
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<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu 3&quot; into its menu system and have the menu items of &quot;Item 7&quot;, &quot;Item 8&quot;, &quot;Item 9&quot; under this header.</td>
<td></td>
</tr>
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<td>35</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.9.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>36</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu 3&quot;</td>
<td>Verify that the alpha id is displayed with strikethrough off.</td>
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<td>38</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 7&quot;, &quot;Item 8&quot;, &quot;Item 9&quot;.</td>
<td>Verify that each item is displayed with strikethrough off.</td>
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<tr>
<td>39</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 8&quot;.</td>
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<td>40</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.4.1: MENU SELECTION (Identifier of item: 8)</td>
<td></td>
</tr>
</tbody>
</table>

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
- 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
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 81 82 85 80 B4

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:

- 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)

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<th>MESSAGE / Action</th>
<th>Comments</th>
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<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.10.1</td>
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</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.10.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;Toolkit Menu&quot; into its menu system and have the menu items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 6.10.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td>Verify that the alpha id is formatted according to the foreground and background colour text attribute configuration</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot;.</td>
<td>Verify that each item is formatted according to the foreground and background colour text attribute configuration.</td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 6.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
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<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 6.4.3</td>
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<td>Terminal → UICC</td>
<td>FETCH</td>
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</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 6.4.3</td>
<td></td>
</tr>
</tbody>
</table>
**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
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:

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<td>69</td>
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<td>20</td>
<td>4D</td>
<td>65</td>
<td>6E</td>
</tr>
<tr>
<td>75</td>
<td>8F</td>
<td>07</td>
<td>01</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>31</td>
<td>8F</td>
<td>07</td>
</tr>
<tr>
<td>02</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>32</td>
<td>8F</td>
<td>07</td>
<td>03</td>
<td>49</td>
<td>74</td>
</tr>
<tr>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>33</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>0C</td>
<td>00</td>
<td>B4</td>
<td>D1</td>
<td>0C</td>
</tr>
<tr>
<td>00</td>
<td>06</td>
<td>00</td>
<td>B4</td>
<td>00</td>
<td>06</td>
<td>00</td>
<td>B4</td>
<td>00</td>
<td>06</td>
<td>00</td>
<td>B4</td>
</tr>
</tbody>
</table>

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:
- 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:
- 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 gas 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 USIM 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 7.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 7.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of “ЗДРАВСТВУЙТЕ” into its menu system and have the menu items of “ЗДРАВСТВУЙТЕ1”, “ЗДРАВСТВУЙТЕ2”, “ЗДРАВСТВУЙТЕ3” and “ЗДРАВСТВУЙТЕ4” under this header.</td>
<td>“ЗДРАВСТВУЙТЕ” : “Hello” in Russian.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 7.1.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu “ЗДРАВСТВУЙТЕ”</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display “ЗДРАВСТВУЙТЕ1”, “ЗДРАВСТВУЙТЕ2”, “ЗДРАВСТВУЙТЕ3”, “ЗДРАВСТВУЙТЕ4”</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Select the “ЗДРАВСТВУЙТЕ2” Menu entry</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 7.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 7.1.2</td>
<td>Second Set Up Menu, REPLACE Old Menu.</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 7.1.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the new menu header of &quot;ЗДРАВСТВУЙТЕ&quot; into its menu system and have the menu items of &quot;ЗДРАВСТВУЙТЕ5&quot; and &quot;ЗДРАВСТВУЙТЕ6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 7.1.2</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;ЗДРАВСТВУЙТЕ&quot;</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;ЗДРАВСТВУЙТЕ5&quot;, &quot;ЗДРАВСТВУЙТЕ 6&quot;</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Select the &quot;ЗДРАВСТВУЙТЕ6&quot; menu entry</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 7.1.2: MENU SELECTION (Identifier of item: 12)</td>
<td>Third Set Up Menu, REMOVE Toolkit Menu.</td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 7.1.3 with SW1 / SW2 of '91 0F'.</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 7.1.3</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>Remove the menu &quot;ЗДРАВСТВУЙТЕ&quot; from its menu system.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 7.1.3</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Has to unsuccessfully find the Toolkit Menu</td>
<td></td>
</tr>
</tbody>
</table>

**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"
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
04 15 8F 1C 11 80 04 17 04 14 04 12 04
04 85 04 12 04 21 04 22 04 12 04 23 04
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: 03 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:

- 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:

- 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 gas 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 USIM 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.
**Procedure**

Expected Sequence 8.1 (SET UP MENU and MENU SELECTION, without Help Request, Replace and Remove a Toolkit Menu, with UCS2 - Chinese Characters)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 8.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 8.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 8.1.1   Command Performed Successfully.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;工具箱单&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;项目一&quot;, &quot;项目二&quot;, &quot;项目三&quot;, &quot;项目四&quot;</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Select the &quot;项目二&quot; Menu entry</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 8.1.1: MENU SELECTION (Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 8.1.2 Second Set Up Menu, REPLACE Old Menu</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 8.1.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the new menu header of &quot;工具箱单&quot; into its menu system and have the menu items of &quot;一&quot; and &quot;二&quot; under this header.</td>
<td>&quot;一&quot;: &quot;One&quot; in Chinese. &quot;二&quot;: &quot;Two&quot; in Chinese.</td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 8.1.2   Command Performed Successfully.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;一&quot;, &quot;二&quot;</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Select the &quot;二&quot; menu entry</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 8.1.2: MENU SELECTION (Identifier of item: 12)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 8.1.3 with SW1 / SW2 of '91 0F'. Third Set Up Menu, REMOVE Toolkit Menu.</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 8.1.3</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>-------------------------------------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>Remove the menu &quot;工具箱单&quot; from its menu system.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 8.1.3</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Has to unsuccessfully find the Toolkit Menu</td>
<td></td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>20</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>25</th>
<th>00</th>
<th>82</th>
<th>02</th>
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<th>82</th>
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<td>09</td>
<td>5D</td>
<td>E5</td>
<td>51</td>
<td>77</td>
<td>7B</td>
<td>B1</td>
<td>53</td>
<td>55</td>
<td>8F</td>
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<tr>
<td></td>
<td>11</td>
<td>80</td>
<td>4E</td>
<td>00</td>
<td>8F</td>
<td>04</td>
<td>12</td>
<td>80</td>
<td>4E</td>
<td>8C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>0D</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>25</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00</td>
<td>8F</td>
<td>00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>25</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>

ENVELOPE 8.1.1: MENU SELECTION

Logically:

Menu selection
- Device identities
  - Source device: Keypad
  - Destination device: UICC
  - Item identifier: 02
Coding:

```
BER-TLV: 03 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: 03 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:

- 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:

- 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 gas 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 USIM 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 9.1.1</td>
<td>First Set Up Menu.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 9.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Integrate the menu header of &quot;80/v-0&quot; into its menu system and have the menu items of &quot;80/v-1&quot;, &quot;80/v-2&quot;, &quot;80/v-3&quot; and &quot;80/v-4&quot; under this header.</td>
<td>&quot;80/v-0&quot;: &quot;80Test0&quot; in Katakana. &quot;80/v-1&quot;: &quot;80Test1&quot; in Katakana. &quot;80/v-2&quot;: &quot;80Test2&quot; in Katakana. &quot;80/v-3&quot;: &quot;80Test3&quot; in Katakana. &quot;80/v-4&quot;: &quot;80Test4&quot; in Katakana.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 9.1.1</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;80/v-0&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → USER</td>
<td>Display &quot;80/v-1&quot;, &quot;80/v-2&quot;, &quot;80/v-3&quot;, &quot;80/v-4&quot;</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Select the &quot;80/v-2&quot; Menu entry</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 9.1.1: MENU SELECTION</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Identifier of item: 2)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 9.1.2</td>
<td>Second Set Up Menu, REPLACE Old Menu.</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 9.1.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Integrate the new menu header of &quot;80/v-0&quot; into its menu system and have the menu items of &quot;80/v-5&quot; and &quot;80/v-6&quot; under this header.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 9.1.2</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Select the Toolkit Menu &quot;Toolkit Menu&quot;</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → USER</td>
<td>Display &quot;80/v-5&quot;, &quot;80/v-6&quot;</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>USER → Terminal</td>
<td>Select the &quot;80/v-6&quot; menu entry</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>Send the ENVELOPE 9.1.2: MENU SELECTION (Identifier of item: 12)</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP MENU 9.1.3 with SW1 / SW2 of '91 0F'.</td>
<td>Third Set Up Menu, REMOVE Toolkit Menu.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND SET UP MENU 9.1.3</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → USER</td>
<td>Remove the menu &quot;80\u03970&quot; from its menu system.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP MENU 9.1.3</td>
<td>Command Performed Successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Has to unsuccessfully find the Toolkit Menu</td>
<td></td>
</tr>
</tbody>
</table>

**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\u03970"

Item
- Identifier of item: 1
- Text string of item: "80\u03971"

Item
- Identifier of item: 2
- Text string of item: "80\u03972"

Item
- Identifier of item: 3
- Text string of item: "80\u03973"

Item
- Identifier of item: 4
- Text string of item: "80\u03974"

Coding:

```
<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>00</th>
<th>30</th>
<th>38</th>
<th>00</th>
<th>03</th>
<th>01</th>
<th>25</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09</td>
<td>80</td>
<td>00</td>
<td>38</td>
<td>00</td>
<td>30</td>
<td>30</td>
<td>EB</td>
<td>00</td>
<td>30</td>
<td>8F</td>
<td>0A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>01</td>
<td>80</td>
<td>00</td>
<td>38</td>
<td>00</td>
<td>30</td>
<td>30</td>
<td>EB</td>
<td>00</td>
<td>31</td>
<td>8F</td>
<td>0A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>80</td>
<td>00</td>
<td>38</td>
<td>00</td>
<td>30</td>
<td>30</td>
<td>EB</td>
<td>00</td>
<td>32</td>
<td>8F</td>
<td>0A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>03</td>
<td>80</td>
<td>00</td>
<td>38</td>
<td>00</td>
<td>30</td>
<td>30</td>
<td>EB</td>
<td>00</td>
<td>33</td>
<td>8F</td>
<td>0A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>80</td>
<td>00</td>
<td>38</td>
<td>00</td>
<td>30</td>
<td>30</td>
<td>EB</td>
<td>00</td>
<td>34</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

**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: "80/L0"

Item
  Identifier of item: "11"
  Text string of item: "80/L5"

Item
  Identifier of item: "12"
  Text string of item: "80/L6"

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 2C 81 03 01 25 00 82 02 81 82 85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09 80 00 38 00 30 30 EB 00 30 8F 0A</td>
</tr>
<tr>
<td></td>
<td>11 80 00 38 00 30 30 EB 00 35 8F 0A</td>
</tr>
<tr>
<td></td>
<td>12 80 00 38 00 30 30 EB 00 36</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 0D 81 03 01 25 00 82 02 81 82 85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09 80 00 38 00 30 30 EB 00</td>
</tr>
</tbody>
</table>

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:**

<table>
<thead>
<tr>
<th>BER-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3</td>
</tr>
<tr>
<td>07</td>
</tr>
<tr>
<td>82</td>
</tr>
<tr>
<td>02</td>
</tr>
<tr>
<td>01</td>
</tr>
<tr>
<td>81</td>
</tr>
<tr>
<td>90</td>
</tr>
<tr>
<td>01</td>
</tr>
<tr>
<td>02</td>
</tr>
</tbody>
</table>

**ENVELOPE 9.1.2: MENU SELECTION**

Logically:

**Menu selection**

Device identities
Source device: Keypad
Destination device: UICC
Item identifier 12

**Coding:**

<table>
<thead>
<tr>
<th>BER-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3</td>
</tr>
<tr>
<td>07</td>
</tr>
<tr>
<td>82</td>
</tr>
<tr>
<td>02</td>
</tr>
<tr>
<td>01</td>
</tr>
<tr>
<td>81</td>
</tr>
<tr>
<td>90</td>
</tr>
<tr>
<td>01</td>
</tr>
<tr>
<td>12</td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 1.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot;, &quot;Item 3&quot; and &quot;Item 4&quot; under the header of &quot;Toolkit Select&quot;.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select &quot;Item 2&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 3D 81 03 01 24 00 82 02 81 82 85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0E 54 6F 6F 6C 6B 69 74 20 53 65 63 74 8F</td>
</tr>
<tr>
<td></td>
<td>07 02 49 74 65 6D 20 32 8F 07 03</td>
</tr>
<tr>
<td></td>
<td>49 74 65 6D 20 33 08 08 04 49 74 65</td>
</tr>
<tr>
<td></td>
<td>6D 20 34</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 24 00 82 02 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90 01 02</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 1.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 1.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Present the items of &quot;Zero&quot;, &quot;One&quot;, &quot;Two&quot;, &quot;Three&quot;,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;Four&quot;, &quot;Five&quot;, &quot;Six&quot;, &quot;Seven&quot;, &quot;Eight&quot;, &quot;Nine&quot;,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;Alpha&quot;, &quot;Bravo&quot;, &quot;Charlie&quot;, &quot;Delta&quot;, &quot;Echo&quot;,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;Fox-trot&quot;, &quot;Black&quot;, &quot;Brown&quot;, &quot;Red&quot;, &quot;Orange&quot;,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;Yellow&quot;, &quot;Green&quot;, &quot;Blue&quot;, &quot;Violet&quot;, &quot;Grey&quot;, &quot;White&quot;,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;milli&quot;, &quot;micro&quot;, &quot;nano&quot; and &quot;pico&quot; under the header</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;LargeMenu1&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select item &quot;Orange&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 1.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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"
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:

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

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<td>2</td>
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<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 1.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Present the items of &quot;Call Forwarding Unconditional&quot;, &quot;Call Forwarding On User Busy&quot;, &quot;Call Forwarding On No Reply&quot;, &quot;Call Forwarding On User Not Reachable&quot;, &quot;Barring Of All Outgoing Calls&quot;, &quot;Barring Of All Outgoing International Calls&quot; and &quot;CLI Presentation&quot; under the header of &quot;LargeMenu2&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select item &quot;Barring Of All Outgoing Calls&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 1.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
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</table>

**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:

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<td>6F 6E</td>
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</tbody>
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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:

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<tr>
<th>BER-TLV:</th>
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<td>90 01 FB</td>
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</tbody>
</table>
Expected Sequence 1.4 (SELECT ITEM, backward move by user, successful)

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<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
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<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 1.4.1</td>
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</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 1.4.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Present the items of “One” and “Two” under the header of “Select Item”.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Indicate to go backwards in the proactive UICC application session.</td>
<td>Backward move in the proactive UICC application session requested by user.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 1.4.1A or TERMINAL RESPONSE: SELECT ITEM 1.4.1B</td>
<td>Backward move in the proactive UICC application session requested by user.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 1.4.2</td>
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<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 1.4.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Present the items of “One” and “Two” under the header of “Select Item”.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Indicate to end the proactive UICC application and return the Terminal to normal operation.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 1.4.2A or TERMINAL RESPONSE: SELECT ITEM 1.4.2B</td>
<td>Proactive UICC application terminated by the user.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
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</table>

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"
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:

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<tr>
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<td>8F 04 11 4F 6E 65 8F 04 12 54 77 6F</td>
</tr>
</tbody>
</table>

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:

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</tr>
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<tbody>
<tr>
<td>81 03 01 24 00 82 02 82 81 83 01 11</td>
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<tr>
<td>90 01 XX</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
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<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 1.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 1.5.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Present the items of &quot;Y&quot; under the header of &quot;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&quot;.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select item &quot;Y&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 1.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
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</table>
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 is"

Item
- Identifier of item: "01"
- Text string of item: "Y"

Coding:

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</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td>PENDING: SELECT ITEM 1.6.1</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 1.6.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Present the items of &quot;1 Call Forward Unconditional&quot;, &quot;2 Call Forward On User Busy&quot;, &quot;3 Call Forward On No Reply&quot;, &quot;4 Call Forward On User Not Reachable&quot;, &quot;5 Barring Of All Outgoing Calls&quot;, &quot;6 Barring Of All Outgoing Intl Calls&quot; and &quot;7 CLI Presentation&quot; under the header of &quot;0LargeMenu&quot;.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select item &quot;5 Barring Of All Outgoing Calls&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 1.6.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
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<tr>
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</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
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</tbody>
</table>
The following table details the test commands with relation to the tested features:

<table>
<thead>
<tr>
<th>Proactive UICC Command SELECT ITEM Number</th>
<th>Proactive UICC Command Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Alpha Identifier Length</td>
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<tr>
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<td>1.3</td>
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<td>1.5</td>
<td>236</td>
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<tr>
<td>1.6</td>
<td>10</td>
</tr>
</tbody>
</table>

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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND; SELECT ITEM 2.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot; under the header of &quot;Toolkit Select&quot;.  The Terminal may indicate to the user the consequences of performing the selection of an item.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 2&quot;.  The Terminal may indicate to the user the consequences of performing the selection of an item.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 2.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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:

<table>
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<tr>
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<th>39</th>
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</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
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<th>00</th>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 3.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 3.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot; under the header of &quot;Toolkit Select&quot;. Check that &quot;Item 2&quot; is selected by default.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 3.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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"
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 81 83 01 00

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 4.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 4.1.1</td>
<td>Help information available.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot; under the header of &quot;Toolkit Select&quot;.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items until &quot;Item 1&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select the Help Request on &quot;Item 1&quot; Menu entry</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 4.1.1</td>
<td>Help information required by the user.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 24 80 82 02 82 81 83 01 13</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90 01 01</td>
</tr>
</tbody>
</table>

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 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 5.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 5.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot; under the header of &quot;Toolkit Select&quot;.</td>
<td>Verify icons are displayed in the alpha identifier and in the 3 items.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 5.1.1 A</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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 (IMG)

Item icon identifier list:
- Icon qualifier: "01" (icon is not self-explanatory)
- Icon Identifier: record 5 in EF (IMG), record 5 in EF (IMG), record 5 in EF (IMG)

Coding:

BER-TLV: 00 3E 81 03 01 24 00 82 02 81 82 85

0E 54 6F 6F 6C 6F 6F 6C 6B 69 74 53 65 65 6C 69 6E 65 07 01 49 74 65 20 31 8F 07 02 49 74 65 20 32 8F 07 03 49 74 65 20 33 9E 02 01 01 9F 04
01 05 05 05

ETSI
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Expected Sequence 5.1B (SELECT ITEM, BASIC ICON NOT self EXPLANATORY, requested icon could not be displayed)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 5.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 5.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot; under the header of &quot;Toolkit Select&quot;.</td>
<td>Verify that either for the header or for each of the items no icon is displayed.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot; under the header &quot;Toolkit Menu&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 5.1.1 B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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
Casing:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 24 00 82 02 82 81 83 01 04</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90 01 01</td>
</tr>
</tbody>
</table>

Expected Sequence 5.2A (SELECT ITEM, BASIC ICON SELF EXPLANATORY, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: SELECT ITEM 5.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SELECT ITEM 5.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot;</td>
<td>Verify icons are displayed without text as</td>
</tr>
<tr>
<td></td>
<td></td>
<td>and &quot;Item 3&quot; under the header of</td>
<td>alpha id and for the all 3 items.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;Toolkit Select&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;Item 1&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 5.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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_{IMG}

Item icon identifier list:
  Icon qualifier: "00" (icon is self-explanatory)
  Icon Identifier: record 5 in EF_{IMG}, record 5 in EF_{IMG}, record 5 in EF_{IMG}

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 3E 81 03 01 24 00 82 02 81 83 01 04</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0E 54 6F 6F 6C 6B 69 74 20 53 65 6C</td>
</tr>
<tr>
<td></td>
<td>69 74 20 31 6D 20 33 9E 07 00 01 9E 08</td>
</tr>
<tr>
<td></td>
<td>9E 07 00 01 9E 04</td>
</tr>
</tbody>
</table>

ETS
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 24 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 01 01</td>
<td></td>
</tr>
</tbody>
</table>

Expected Sequence 5.2B (SELECT ITEM, BASIC ICON SELF EXPLANATORY, requested icon could not be displayed)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 5.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 5.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot;.</td>
<td>Verify that either for the header or for each of the items no icon is displayed.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 5.2.1B</td>
<td>Command performed successfully but requested icon could not be displayed.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 24 00 82 02 82 81 83 01 04</th>
</tr>
</thead>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 6.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot; under the header of &quot;Toolkit Select&quot;.</td>
<td>Verify if presentation style appears.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 6.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 6.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 6.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot; under the header of &quot;Toolkit Select&quot;. Verify if presentation style appears.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 6.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0 34 81 03 01 24 01 82 02 81 82 85</td>
</tr>
<tr>
<td>0E 54 6F 6F 6D 69 74 20 53 65 6C 69 74 20 6F 07 02 49 74 6D 65 6D 20 32 8F 07 03</td>
</tr>
<tr>
<td>49 74 65 6D 20 33</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>01</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 7.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 7.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;. Verify that we can choose an item through soft keys.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 7.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0</th>
<th>2B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>04</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0E</td>
<td>54</td>
<td>6F</td>
<td>6F</td>
<td>6C</td>
<td>6B</td>
<td>69</td>
<td>74</td>
<td>20</td>
<td>53</td>
<td>65</td>
<td>6C</td>
</tr>
<tr>
<td></td>
<td>65</td>
<td>63</td>
<td>74</td>
<td>8F</td>
<td>07</td>
<td>01</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>8F</td>
<td>07</td>
<td>02</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>04</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 8.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 8.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; and &quot;Item 3&quot; under the header of &quot;&lt;TIME-OUT&gt;&quot;.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER</td>
<td>Waiting and no completion</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 8.1.1</td>
<td>No response from user within 5 s after the end of that defined period of time.</td>
</tr>
<tr>
<td>7</td>
<td>USER</td>
<td>Check if the delay of TERMINAL RESPONSE is reasonable or not</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>30</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>3C</td>
<td>54</td>
<td>49</td>
<td>4D</td>
<td>45</td>
<td>2D</td>
<td>4F</td>
<td>55</td>
<td>54</td>
<td>3E</td>
<td>8F</td>
</tr>
<tr>
<td></td>
<td>07</td>
<td>01</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>31</td>
<td>8F</td>
<td>07</td>
<td>02</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>32</td>
<td>8F</td>
<td>07</td>
<td>03</td>
<td>49</td>
<td>74</td>
<td>65</td>
<td>6D</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>12</th>
</tr>
</thead>
</table>

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:

- 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.

27.22.4.9.1.4.2 Procedure

Expected Sequence 9.1 (SELECT ITEM, Text Attribute - Left Alignment)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with left alignment.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.1.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;. Verify the text attribute of the alpha id and each item are displayed without left alignment. Remark: If left alignment is the Terminal's default alignment as declared in table A.2/10, no alignment change will take place.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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: 6
    - 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: 6
    - 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 2D 81 03 01 24 00 82 02 81 82 85
10 54 6F 6F 6C 6B 69 74 20 53 65 6C 63 74 20 32 8F 07 01 49 74 65 6D 20 33 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 63 74 20 33 8F 07 02 49 74 65 6D 20 34
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:
- 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.
### 27.22.4.9.2.4.2 Procedure

**Expected Sequence 9.2 (SELECT ITEM, Text Attribute - Center Alignment)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with center alignment.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.2.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.2.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;. Verify the text attribute of the alpha id and each item are displayed without center alignment. Remark: If center alignment is the Terminal’s default alignment as declared in table A.2/10, no alignment change will take place.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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 69 74 20 53 65 6C 65 63 74 20 31 8F 07 01 49 74 65 6D 20 33 D0
     04 00 10 01 B4 D1 08 00 06 01 B4 00
```

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 69 74 20 53 65 6C 65 63 74 20 33 8F 07 02 49 74 65 6D 20 34
     06 01 B4
```

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with right alignment.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.3.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.3.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;. 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.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.3.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>2D</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
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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:

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<td>6D</td>
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</tr>
</tbody>
</table>

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

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:
• 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.
### Procedure

**Expected Sequence 9.4 (SELECT ITEM, Text Attribute - Large Font Size)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.4.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with large font size.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.4.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.4.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;. Verify the text attribute of the alpha id and each item are displayed with normal font size.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.4.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.4.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with large font size.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.4.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.4.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 5&quot;, &quot;Item 6&quot; under the header of &quot;Toolkit Select 3&quot;. Verify the text attribute of the alpha id and each item are displayed with normal font size.</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.4.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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:

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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:

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</table>

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"
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:

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</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.5.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with small font size.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.5.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.5.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;. Verify the text attribute of the alpha id and each item are displayed with normal font size.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.5.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.5.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with small font size.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
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</tr>
<tr>
<td>20</td>
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</tr>
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<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.5.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 5&quot;, &quot;Item 6&quot; under the header of &quot;Toolkit Select 3&quot;. Verify the text attribute of the alpha id and each item are displayed with normal font size.</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
</tbody>
</table>
Step | Direction | MESSAGE / Action | Comments
--- | --- | --- | ---
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
Colour: Dark Green Foreground, Bright Yellow Background

Item Text Attribute List
Item #1
Formatting position: 0
Formatting length: 6
Formatting mode: Left Alignment, Small Font, Bold Off, Italic Off, Underline Off, Strikethrough
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
Colour: Dark Green Foreground, Bright Yellow Background

Coding:

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</table>
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:

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<td>B4</td>
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</tr>
<tr>
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</tr>
</tbody>
</table>

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:**

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<td>6D</td>
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<td></td>
</tr>
</tbody>
</table>

**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:**

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<tr>
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<th>00</th>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.6.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with bold on.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.6.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.6.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;. Verify the text attribute of the alpha id and each item are displayed with bold off.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.6.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.6.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with bold on.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.6.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.6.3</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
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<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 5&quot;, &quot;Item 6&quot; under the header of &quot;Toolkit Select 3&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with bold off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.6.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**PROACTIVE COMMAND: SELECT ITEM 9.6.1**

Logically:

**Command details**
- Command number: 1
- Command type: SELECT ITEM
- Command qualifier: "00"

**Device identities**
- Source device: UIICC
- 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:**

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</table>
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:

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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:

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<td>20</td>
<td>36</td>
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</tr>
</tbody>
</table>

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:

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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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.7.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with italic on.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.7.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.7.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;. Verify the text attribute of the alpha id and each item are displayed with italic off.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
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<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.7.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.7.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with italic on.</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.7.3</td>
<td></td>
</tr>
</tbody>
</table>
Step | Direction | MESSAGE / Action | Comments
--- | --- | --- | ---
20 | Terminal → UICC | FETCH | 
21 | UICC → Terminal | PROACTIVE COMMAND: SELECT ITEM 9.7.3 | 
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 italic off. 
23 | USER → Terminal | Navigate in the items, then select "Item 5". | 
24 | Terminal → UICC | TERMINAL RESPONSE: SELECT 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:

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</table>

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:

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<td></td>
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</tr>
</tbody>
</table>
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:

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:

Test requirement

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

SELECT ITEM (Support of Text Attribute - Underline On)

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.8.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with underline on.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.8.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.8.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with underline off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.8.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.8.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with underline on.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>----------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.8.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.8.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 5&quot;, &quot;Item 6&quot; under the header of &quot;Toolkit Select 3&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with underline off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.8.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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
- 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
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
Item 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:

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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:

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<td>35</td>
<td>8F</td>
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<td>02</td>
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<td>74</td>
<td>65</td>
<td>6D</td>
<td>20</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
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<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.9.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.9.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with strikethrough on.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.9.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.9.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with strikethrough off.</td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.9.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.9.1</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with strikethrough on.</td>
</tr>
<tr>
<td>17</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
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<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.9.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.9.3</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 5&quot;, &quot;Item 6&quot; under the header of &quot;Toolkit Select 3&quot;.</td>
<td>Verify the text attribute of the alpha id and each item are displayed with strikethrough off.</td>
</tr>
<tr>
<td>23</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 5&quot;.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.9.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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
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:

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<td>B4</td>
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<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
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<th>03</th>
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<td>6D</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>35</td>
<td>8F</td>
<td>07</td>
<td>02</td>
<td>49</td>
<td>74</td>
<td>6D</td>
<td>20</td>
<td>36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
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</tr>
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<tbody>
<tr>
<td></td>
<td>90</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

27.22.4.9.9.9.5 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:

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.10.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.10.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 1&quot;, &quot;Item 2&quot; under the header of &quot;Toolkit Select 1&quot;. Verify the text attribute of the alpha id and each item are displayed with foreground and background colour according to the configuration.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 1&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.10.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 9.10.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 9.10.2</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display items of &quot;Item 3&quot;, &quot;Item 4&quot; under the header of &quot;Toolkit Select 2&quot;. Verify the text attribute of the alpha id and each item are displayed with Terminal's default foreground and background colour.</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Navigate in the items, then select &quot;Item 3&quot;.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 9.10.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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:

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<tr>
<td>10</td>
<td>54</td>
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</tbody>
</table>

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"

Identifier of item: 02
Text string of item: "Item 4"

**Coding:**

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<td>6D</td>
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<td>34</td>
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</tr>
</tbody>
</table>

**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:**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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:

- 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 USIM 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 10.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 10.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;ЗДРАВСТВУЙТЕ1&quot;, &quot;ЗДРАВСТВУЙТЕ2&quot; and &quot;ЗДРАВСТВУЙТЕ3&quot; under the header of &quot;ЗДРАВСТВУЙТЕ&quot;.</td>
<td>&quot;ЗДРАВСТВУЙТЕ&quot; : &quot;Hello&quot; in Russian.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select &quot;ЗДРАВСТВУЙТЕ2&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 10.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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"
**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:**

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>81 03 01 24 00 82 02 82 81 83 01 00</td>
<td></td>
</tr>
</tbody>
</table>

**Expected Sequence 10.2 (SELECT ITEM with UCS2 in Cyrillic characters, 0x81 UCS2 coding, successful)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 10.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 10.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;ЗДРАВСТВУЙТЕ1&quot;, &quot;ЗДРАВСТВУЙТЕ2&quot; and &quot;ЗДРАВСТВУЙТЕЗ&quot; under the header of &quot;ЗДРАВСТВУЙТЕ&quot;.</td>
<td>&quot;ЗДРАВСТВУЙТЕ&quot;: &quot;Hello&quot; in Russian.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select &quot;ЗДРАВСТВУЙТЕ2&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 10.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0</td>
</tr>
<tr>
<td>A3</td>
</tr>
<tr>
<td>A0</td>
</tr>
<tr>
<td>11</td>
</tr>
<tr>
<td>92</td>
</tr>
<tr>
<td>97</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>81</td>
</tr>
<tr>
<td>90</td>
</tr>
</tbody>
</table>
Expected Sequence 10.3 (SELECT ITEM with UCS2 in Cyrillic characters, 0x82 UCS2 coding, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 10.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 10.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;ЗДРАВСТВУЙТЕ1&quot;, &quot;ЗДРАВСТВУЙТЕ2&quot; and &quot;ЗДРАВСТВУЙТЕ3&quot; under the header of &quot;ЗДРАВСТВУЙТЕ&quot;.</td>
<td>&quot;ЗДРАВСТВУЙТЕ &quot; : &quot;Hello&quot; in Russian.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select &quot;ЗДРАВСТВУЙТЕ2&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 10.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>57</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
<th>82</th>
<th>02</th>
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<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td>82</td>
<td>0C</td>
<td>04</td>
<td>10</td>
<td>87</td>
<td>84</td>
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<td>85</td>
<td>8F</td>
<td>12</td>
<td>01</td>
<td>82</td>
<td>0D</td>
<td>04</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>87</td>
<td>84</td>
<td>90</td>
<td>80</td>
<td>82</td>
<td>91</td>
<td>92</td>
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<td>8F</td>
<td>12</td>
<td>02</td>
<td>82</td>
<td>0D</td>
<td>04</td>
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<td>84</td>
<td>90</td>
<td>80</td>
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<td>12</td>
<td>03</td>
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<td>04</td>
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<td>92</td>
<td>85</td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
- TS 102 223 [1], clauses 5, 6.4.9, 6.6.8, 6.8, 6.6, 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 USIM 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: SELECT ITEM 11.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SELECT ITEM 11.1.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select &quot;项目二&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 11.1.1</td>
<td>Command performed successfully</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>81</td>
</tr>
<tr>
<td>03</td>
</tr>
<tr>
<td>01</td>
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<tr>
<td>24</td>
</tr>
<tr>
<td>00</td>
</tr>
<tr>
<td>82</td>
</tr>
<tr>
<td>02</td>
</tr>
<tr>
<td>82</td>
</tr>
<tr>
<td>81</td>
</tr>
<tr>
<td>83</td>
</tr>
<tr>
<td>01</td>
</tr>
<tr>
<td>00</td>
</tr>
</tbody>
</table>

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:

- 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 USIM 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 12.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 12.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of “80/г1”, “80/г2” and “80/г3” under the header of “80/г0”. “80/г0” : “80Test0” in Katakana. “80/г1” : “80Test1” in Katakana. “80/г2” : “80Test2” in Katakana. “80/г3” : “80Test3” in Katakana.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select “80/г2”.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 12.1.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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/г0”

- **Item**
  - Identifier of item: 1
    - Text string of item: “80/г1”
  - Identifier of item: 2
    - Text string of item: “80/г2”
  - Identifier of item: 3
    - Text string of item: “80/г3”

**Coding:**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>38</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>24</th>
<th>00</th>
<th>82</th>
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<td>00</td>
<td>38</td>
<td>00</td>
<td>30</td>
<td>30</td>
<td>EB</td>
<td>00</td>
<td>33</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

Expected Sequence 12.2 (SELECT ITEM with UCS2 in Katakana characters, 0x81 UCS2 coding, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 12.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 12.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;81ル1&quot;, &quot;81ル2&quot; and &quot;81ル3&quot; under the header of &quot;81ル0&quot;.</td>
<td>&quot;81ル0&quot;: &quot;81Test0&quot; in Katakana.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;81ル1&quot;: &quot;81Test1&quot; in Katakana.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;81ル2&quot;: &quot;81Test2&quot; in Katakana.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&quot;81ル3&quot;: &quot;81Test3&quot; in Katakana.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select &quot;81/2&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 12.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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/g48082"

Item
Identifier of item: 3
Text string of item: "81/g48083"

Coding:
BER-TLV:

<p>| | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D0</td>
<td>30</td>
<td>81</td>
<td>03</td>
<td>01</td>
<td>24</td>
<td>00</td>
<td>82</td>
<td>02</td>
</tr>
<tr>
<td>07</td>
<td>81</td>
<td>04</td>
<td>61</td>
<td>38</td>
<td>31</td>
<td>EB</td>
<td>30</td>
<td>8F</td>
</tr>
<tr>
<td>04</td>
<td>61</td>
<td>38</td>
<td>31</td>
<td>EB</td>
<td>31</td>
<td>8F</td>
<td>08</td>
<td>02</td>
</tr>
<tr>
<td>38</td>
<td>31</td>
<td>EB</td>
<td>32</td>
<td>8F</td>
<td>08</td>
<td>03</td>
<td>81</td>
<td>04</td>
</tr>
</tbody>
</table>
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:

<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>81</td>
<td>03</td>
<td>01</td>
<td>24</td>
<td>00</td>
<td>82</td>
<td>02</td>
<td>82</td>
<td>81</td>
</tr>
<tr>
<td>90</td>
<td>01</td>
<td>02</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Expected Sequence 12.3 (SELECT ITEM with UCS2 in Katakana characters, 0x82 UCS2 coding, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SELECT ITEM 12.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SELECT ITEM 12.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display items of &quot;82/g48082&quot;, &quot;82/g48083&quot; and &quot;82/g48081&quot; under the header of &quot;82/g48080&quot;. &quot;82/g48080&quot;: &quot;82Test0&quot; in Katakana. &quot;82/g48081&quot;: &quot;82Test1&quot; in Katakana. &quot;82/g48082&quot;: &quot;82Test2&quot; in Katakana. &quot;82/g48083&quot;: &quot;82Test3&quot; in Katakana.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select &quot;82/g48082&quot;.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SELECT ITEM 12.2.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>
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/g4808"

Item
- Identifier of item: 1
- Text string of item: "82/g4808"

Item
- Identifier of item: 2
- Text string of item: "82/g4808"

Item
- Identifier of item: 3
- Text string of item: "82/g4808"

Coding:

\[
\begin{array}{cccccccccccc}
\text{BER-TLV:} & D0 & 34 & 81 & 03 & 01 & 24 & 00 & 82 & 02 & 81 & 82 & 85 \\
& 08 & 82 & 04 & 30 & A0 & 38 & 32 & CB & 30 & 8F & 09 & 01 \\
& 82 & 04 & 30 & A0 & 38 & 32 & CB & 31 & 8F & 09 & 02 & 82 \\
& 04 & 30 & A0 & 38 & 32 & CB & 32 & 8F & 09 & 03 & 82 & 04 \\
& 30 & A0 & 38 & 32 & CB & 33 & & & & & & \\
\end{array}
\]

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:

\[
\begin{array}{cccccccccccc}
\text{BER-TLV:} & 81 & 03 & 01 & 24 & 00 & 82 & 02 & 82 & 81 & 83 & 01 & 00 \\
& 90 & 01 & 02 & & & & & & & & & \\
\end{array}
\]

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

27.22.4.10.1 SEND SHORT MESSAGE (normal)

27.22.4.10.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.10.1.2 Conformance requirement
The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31 and 5.2.

27.22.4.10.1.3 Test purpose
To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.1.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.1.5 Test requirement
Not Applicable.

27.22.4.10.2 SEND SHORT MESSAGE (UCS2 display in Cyrillic)

27.22.4.10.2.1 Definition and applicability
See clause 3.2.2.

27.22.4.10.2.2 Conformance requirement
The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31 and 5.2.

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].

27.22.4.10.2.3 Test purpose
To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.2.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.2.5 Test requirement
Not Applicable.
27.22.4.10.3iard MESSAGE (icon support)

27.22.4.10.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.3.2 Conformance requirement

27.22.4.10.3.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.3.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.3.5 Test requirement

Not Applicable.

27.22.4.10.4 SEND SHORT MESSAGE (Support of Text Attribute)

27.22.4.10.4.1 SEND SHORT MESSAGE (Support of Text Attribute - Left Alignment)

27.22.4.10.4.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.1.2 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.1.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the left alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.1.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.1.5 Test requirement

Not Applicable.

27.22.4.10.4.2 SEND SHORT MESSAGE (Support of Text Attribute - Center Alignment)

27.22.4.10.4.2.1 Definition and applicability

See clause 3.2.2.
27.22.4.10.4.2.2 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.2.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the center alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.2.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.2.5 Test requirement

Not Applicable.

27.22.4.10.4.3 SEND SHORT MESSAGE (Support of Text Attribute - Right Alignment)

27.22.4.10.4.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.3.2 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.3.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the right alignment text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.3.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.3.5 Test requirement

Not Applicable.

27.22.4.10.4.4 SEND SHORT MESSAGE (Support of Text Attribute - Large Font Size)

27.22.4.10.4.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.4.2 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.
27.22.4.10.4.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the large font size text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.5 Test requirement

Not Applicable.

27.22.4.10.4.5 SEND SHORT MESSAGE (Support of Text Attribute - Small Font Size)

27.22.4.10.4.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.5.2 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.5.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the small font size text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.5.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.5.5 Test requirement

Not Applicable.

27.22.4.10.4.6 SEND SHORT MESSAGE (Support of Text Attribute - Bold On)

27.22.4.10.4.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.4.6.2 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.6.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the bold text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.
27.22.4.10.4.6.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.6.5 Test requirement
Not Applicable.

27.22.4.10.4.7 SEND SHORT MESSAGE (Support of Text Attribute - Italic On)

27.22.4.10.4.7.1 Definition and applicability
See clause 3.2.2.

27.22.4.10.4.7.2 Conformance requirement
The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.7.3 Test purpose
To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the italic text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.7.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.7.5 Test requirement
Not Applicable.

27.22.4.10.4.8 SEND SHORT MESSAGE (Support of Text Attribute - Underline On)

27.22.4.10.4.8.1 Definition and applicability
See clause 3.2.2.

27.22.4.10.4.8.2 Conformance requirement
The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.8.3 Test purpose
To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the underline text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.8.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.8.5 Test requirement
Not Applicable.
27.22.4.10.4.9 SEND SHORT MESSAGE (Support of Text Attribute - Strikethrough On)

See clause 3.2.2.

27.22.4.10.4.9.1 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.9.2 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the strikethrough text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.9.3 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.9.5 Test requirement

Not Applicable.

27.22.4.10.4.10 SEND SHORT MESSAGE (Support of Text Attribute - Foreground and Background Colour)

See clause 3.2.2.

27.22.4.10.4.10.1 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.1, 8.2, 8.6, 8.7, 8.13, 8.31, 8.67 and 5.2.

27.22.4.10.4.10.2 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) and display the alpha identifier according to the foreground and background colour text attribute configuration as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.4.10.3 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.4.10.5 Test requirement

Not Applicable.

27.22.4.10.5 SEND SHORT MESSAGE (UCS2 display in Chinese)

See clause 3.2.2.
27.22.4.10.5.2 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.6, 8.7, 8.2, 8.1, 8.13, 8.31 and 5.2.

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

27.22.4.10.5.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.5.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.5.5 Test requirement

Not Applicable.

27.22.4.10.6 SEND SHORT MESSAGE (UCS2 display in Katakana)

27.22.4.10.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.10.6.2 Conformance requirement

The Terminal shall support the Proactive UICC: SEND SHORT MESSAGE facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.10, 6.6.9, 8.6, 8.7, 8.2, 8.1, 8.13, 8.31 and 5.2.

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

27.22.4.10.6.3 Test purpose

To verify that the Terminal correctly formats and sends a short message to the network (NAA SS) as indicated in the SEND SHORT MESSAGE proactive UICC command, and returns a TERMINAL RESPONSE command to the UICC indicating the status of the transmission of the Short Message.

27.22.4.10.6.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.10.6.5 Test requirement

Not Applicable.
27.22.4.11 Void

27.22.4.12 Void

27.22.4.13 SET UP CALL

27.22.4.13.1 SET UP CALL (normal)

27.22.4.13.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.1.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3 and 5.2.

27.22.4.13.1.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.1.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.1.5 Test requirement
Not Applicable.

27.22.4.13.2 SET UP CALL (second alpha identifier)

27.22.4.13.2.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.2.2 Conformance requirement
Same as clause 27.22.4.13.2.1.

27.22.4.13.2.3 Test purpose
To verify that the Terminal accepts a Proactive Command - Set Up Call, displays the alpha identifiers to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.2.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.2.5 Test requirement
Not Applicable.
27.22.4.13.3 SET UP CALL (display of icons)

27.22.4.13.3.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.3.2 Conformance requirement

27.22.4.13.3.3 Test purpose
To verify that the Terminal accepts a Proactive Set Up Call, displays the message or icon to the user, attempts to set up a call to the address, returns the result in the TERMINAL response.

27.22.4.13.3.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.3.5 Test requirement
Not Applicable.

27.22.4.13.4 SET UP CALL (support of Text Attribute)

27.22.4.13.4.1 SET UP CALL (support of Text Attribute - Left Alignment)

27.22.4.13.4.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.4.1.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3, 8.70 and 5.2.

27.22.4.13.4.1.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the left alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.1.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.4.1.5 Test requirement
Not Applicable.

27.22.4.13.4.2 SET UP CALL (support of Text Attribute - Center Alignment)

27.22.4.13.4.2.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.4.2.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3, 8.70 and 5.2.
27.22.4.13.4.2.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the center alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.2.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.4.2.5 Test requirement
Not Applicable.

27.22.4.13.4.3 SET UP CALL (support of Text Attribute - Right Alignment)

27.22.4.13.4.3.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.4.3.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3, 8.70 and 5.2.

27.22.4.13.4.3.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the right alignment text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.3.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.4.3.5 Test requirement
Not Applicable.

27.22.4.13.4.4 SET UP CALL (support of Text Attribute - Large Font Size)

27.22.4.13.4.4.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.4.4.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3, 8.70 and 5.2.

27.22.4.13.4.4.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the large font size text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.4.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.
27.22.4.13.4.5 Test requirement
Not Applicable.

27.22.4.13.4.5 SET UP CALL (support of Text Attribute - Small Font Size)

27.22.4.13.4.5.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.4.5.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3, 8.70 and 5.2.

27.22.4.13.4.5.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the small font size text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.4.5 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.4.5.5 Test requirement
Not Applicable.

27.22.4.13.4.6 SET UP CALL (support of Text Attribute - Bold On)

27.22.4.13.4.6.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.4.6.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3, 8.70 and 5.2.

27.22.4.13.4.6.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the bold text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.6.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.4.6.5 Test requirement
Not Applicable.
27.22.4.13.4.7 SET UP CALL (support of Text Attribute - Italic On)

27.22.4.13.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.7.2 Conformance requirement

The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3, 8.70 and 5.2.

27.22.4.13.4.7.3 Test purpose

To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the italic text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.7.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.4.7.5 Test requirement

Not Applicable.

27.22.4.13.4.8 SET UP CALL (support of Text Attribute - Underline On)

27.22.4.13.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.13.4.8.2 Conformance requirement

The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3, 8.70 and 5.2.

27.22.4.13.4.8.3 Test purpose

To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the underline text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.8.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.4.8.5 Test requirement

Not Applicable.

27.22.4.13.4.9 SET UP CALL (support of Text Attribute - Strikethrough On)

27.22.4.13.4.9.1 Definition and applicability

See clause 3.2.2.
27.22.4.13.4.10.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 102 223 [1], clauses 6.1.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3 and 5.2.

27.22.4.13.4.10.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier according to the foreground and background colour text attribute configuration to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.4.10.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.4.10.5 Test requirement
Not Applicable.

27.22.4.13.5 SET UP CALL (UCS2 Display in Cyrillic)

27.22.4.13.5.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.5.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3 and 5.2.

The Terminal shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [2].
27.22.4.13.5.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.5.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.2.5 Test requirement
Not Applicable.

27.22.4.13.6 SET UP CALL (UCS2 Display in Chinese)
27.22.4.13.6.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.6.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3 and 5.2.

The Terminal shall support the UCS2 facility for the coding of the Chinese characters, as defined in:
- ISO/IEC 10646 [2].

27.22.4.13.6.3 Test purpose
To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.6.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.2.5 Test requirement
Not Applicable.

27.22.4.13.7 SET UP CALL (UCS2 Display in Katakana)
27.22.4.13.7.1 Definition and applicability
See clause 3.2.2.

27.22.4.13.7.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Call facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.13, 6.6.12, 8.6, 8.7, 8.12, 8.12.3 and 5.2.

The Terminal shall support the UCS2 facility for the coding of the Katakana characters, as defined in:
- ISO/IEC 10646 [2].
27.22.4.13.7.3  Test purpose

To verify that the Terminal accepts the Proactive Command - Set Up Call, displays the alpha identifier with UCS2 coding to the user, attempts to set up a call to the address and returns the result in the TERMINAL RESPONSE.

27.22.4.13.7.4  Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.13.2.5  Test requirement

Not Applicable.

27.22.4.14  POLLING OFF

27.22.4.14.1  Definition and applicability

See clause 3.2.2.

27.22.4.14.2  Conformance requirement

The Terminal shall support the POLLING OFF as defined in:

- TS 102 223 [1], clauses 5.2, 6.4.14, 6.6.14, 6.8, 6.11, 8.6 and 8.7.

27.22.4.14.3  Test purpose

To verify that the Terminal cancels the effect of any previous POLL INTERVAL commands and does not effect UICC presence detection.

27.22.4.14.4  Method of test

27.22.4.14.4.1  Initial conditions

The Terminal is connected to the UICC Simulator.

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

### Expected Sequence 1.1 (POLLING OFF)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POLLING INTERVAL 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POLL INTERVAL 1.1.1</td>
<td>Interval = 1 min.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POLL INTERVAL 1.1.1 A or TERMINAL RESPONSE: POLL INTERVAL 1.1.1B</td>
<td>Command performed successfully, duration depends on the Terminal's capabilities.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POLLING OFF 1.1.2</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POLLING OFF 1.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POLLING OFF 1.1.2</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

### 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: Minutes
  - Time interval: 1

- **Coding**

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

### TERMINAL RESPONSE: POLL INTERVAL 1.1.1A

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: Minutes
Time interval: 1

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 03 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>84 02 00 01</td>
</tr>
</tbody>
</table>

TERMINAL RESPONSE: POLL INTERVAL 1.1.1B

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: 60

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 03 00 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>84 02 01 3C</td>
</tr>
</tbody>
</table>

NOTE: If the requested poll interval is not supported by the Terminal, the Terminal is allowed to use a different one as stated in TS 102 223 [1], 6.4.6.

PROACTIVE COMMAND: POLLING OFF 1.1.2

Logically:

Command details
Command number: 1
Command type: POLLING OFF
Command qualifier: "00"

Device identities
Source device: UICC
Destination device: Terminal

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 09 81 03 01 04 00 82 02 81 82</th>
</tr>
</thead>
</table>

TERMINAL RESPONSE: POLLING OFF 1.1.2

Logically:

Command details
Command number: 1
Command type: POLLING OFF
Command qualifier: "00"
Device identities
Source device: Terminal
Destination device: UICC

Result
General Result: Command performed successfully

Coding:

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

27.22.4.14.5 Test requirement
The Terminal shall operate in the manner defined in expected sequence 1.1.

27.22.4.15 PROVIDE LOCAL INFORMATION

27.22.4.15.1 Definition and applicability
See clause 3.2.2.

27.22.4.15.2 Conformance requirement
The Terminal shall support the PROVIDE LOCAL INFORMATION facility as defined in:
- TS 102 223 [1], 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.

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION 1.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.2.1</td>
<td>Command performed successfully, IMEI.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>26</th>
<th>01</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>94</td>
<td>08</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
</tr>
</tbody>
</table>
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 54. For further details see also TS 124 008 [5].

**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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION 1.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.4.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.4.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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: 7th 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION 1.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.5.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.5.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION 1.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.8.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.8.1</td>
<td>Command performed successfully, IMEISV.</td>
</tr>
</tbody>
</table>

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 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION 1.9.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.9.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.9.1</td>
<td>Command performed successfully, IMEISV.</td>
</tr>
</tbody>
</table>

**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.1/24.

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

As an example, if the IMEISV of the Terminal is "1234567890123456" then
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX = 13 32 54 76 98 10 32 54 6F. For further details see also 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PROVIDE LOCAL INFORMATION 1.11.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PROVIDE LOCAL INFORMATION 1.11.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PROVIDE LOCAL INFORMATION 1.11.1</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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 ≤ 5

Coding:

BER-TLV: 81 03 01 26 0A 82 02 82 81 83 01 00

Expected Sequence 1.12 Void

27.22.4.15.5 Test requirement

The Terminal shall operate in the manner defined in expected sequences 1.1 to 1.12.
27.22.4.16 SET UP EVENT LIST

27.22.4.16.1 SET UP EVENT LIST (normal)

27.22.4.16.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.16.1.2 Conformance requirement
The Terminal shall support the Proactive UICC: Set Up Event List facility as defined in:
- 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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>User shall press any key</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: EVENT DOWNLOAD USER ACTIVITY 1.1.1</td>
<td>User Activity.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>0C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>05</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>99</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>01</td>
<td>04</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>05</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.2.1</td>
<td>Idle Screen Available and Language Selection.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.2.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.2.2</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.2.2</td>
<td>Language Selection.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.2.2</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>USER → Terminal</td>
<td>User shall press any key</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>User shall change the terminal's language setting</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: EVENT DOWNLOAD CALL DISCONNECT 1.2.2</td>
<td>Language Selection.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>0D</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>05</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>99</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>02</td>
<td>05</td>
<td>07</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D6 0E 99 01 02 82 02 83 81 9C 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AD 02 73 65</td>
</tr>
</tbody>
</table>

Expected Sequence 1.3 (SET UP EVENT LIST, Remove Event)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.3.1</td>
<td>Language Selection.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.3.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.3.1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.3.2</td>
<td>Remove Event.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.3.2</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>USER → Terminal</td>
<td>User shall change the terminal's language setting</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>No ENVELOPE: EVENT DOWNLOAD (language selection) sent</td>
<td></td>
</tr>
</tbody>
</table>

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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.4.1 Language Selection.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.4.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>User → Terminal</td>
<td>Power off Terminal</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>User → Terminal</td>
<td>Power on Terminal</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>USER → Terminal</td>
<td>User shall change the terminal's language setting</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>No ENVELOPE: EVENT DOWNLOAD (language selection) sent</td>
<td></td>
</tr>
</tbody>
</table>

**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
Test requirement

The Terminal shall operate in the manner defined in expected sequences 1.1 to 1.4.

**PERFORM CARD APDU**

**PERFORM CARD APDU (normal)**

Definition and applicability

See clause 3.2.2.

Conformance requirement

The Terminal shall support the Proactive UICC: Perform Card APDU facility as defined in:

- 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:

- TS 102 223 [1], clauses 6.4.19, 6.6.19, 6.4.18 and 6.6.18.

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 sent 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).

Method of test

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER ON CARD 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER ON CARD 1.1.1</td>
<td>Power on card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → SIM2</td>
<td>RESET CARD</td>
<td>Perform electrical initialization.</td>
</tr>
<tr>
<td>5</td>
<td>SIM2 → Terminal</td>
<td>ANSWER TO RESET 1.1</td>
<td>ATR</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER ON CARD 1.1.1</td>
<td>ATR</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.1.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.1.1</td>
<td>Select Masterfile.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → SIM2</td>
<td>C-APDU: SELECT 1.1</td>
<td>Select Masterfile.</td>
</tr>
<tr>
<td>11</td>
<td>SIM2 → Terminal</td>
<td>R-APDU: SELECT 1.1</td>
<td>Command performed successfully · length '1B' of response data.</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.1.1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.1.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.1.2</td>
<td>Get Response with length '1B'.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → SIM2</td>
<td>C-APDU: GET RESPONSE 1.1</td>
<td>Get Response with length '1B'.</td>
</tr>
<tr>
<td>17</td>
<td>SIM2 → Terminal</td>
<td>R-APDU: GET RESPONSE 1.1</td>
<td>Response data with length '1B'.</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.1.2</td>
<td>Response data with length '1B'.</td>
</tr>
</tbody>
</table>

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:

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<tr>
<th>BER-TLV:</th>
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<th>31</th>
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<tbody>
<tr>
<td></td>
<td>A1</td>
<td>09</td>
<td>3B</td>
<td>86</td>
<td>00</td>
<td>91</td>
<td>99</td>
<td>00</td>
<td>12</td>
<td>C1</td>
<td>00</td>
<td></td>
</tr>
</tbody>
</table>

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:

| Coding: | 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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 30 00 82 02 82 81 83 01 00</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>A3 02 9F 1B</td>
</tr>
</tbody>
</table>

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:

<table>
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<tr>
<th>BER-TLV:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>05 A0 C0 00 00 1B</td>
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</tbody>
</table>

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
   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:** 3G 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:**

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<td>81</td>
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<td>01</td>
<td>00</td>
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</tr>
<tr>
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</tr>
</tbody>
</table>
```

**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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER ON CARD 1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER ON CARD 1.1</td>
<td>Power on card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → SIM2</td>
<td>RESET CARD</td>
<td>Perform electrical initialization.</td>
</tr>
<tr>
<td>5</td>
<td>SIM2 → Terminal</td>
<td>ANSWER TO RESET 1.1</td>
<td>ATR.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER ON CARD 1.1</td>
<td>ATR.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.2.1</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.2.1</td>
<td>Select GSM.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → SIM2</td>
<td>C-APDU: SELECT 1.2a</td>
<td>Select GSM.</td>
</tr>
<tr>
<td>11</td>
<td>SIM2 → Terminal</td>
<td>R-APDU: SELECT 1.2a</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.2.1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.2.2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.2.2</td>
<td>Select PLMN.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → SIM2</td>
<td>C-APDU: SELECT 1.2b</td>
<td>Select PLMN.</td>
</tr>
<tr>
<td>17</td>
<td>SIM2 → Terminal</td>
<td>R-APDU: SELECT 1.2b</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.2.2</td>
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</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.2.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.2.3</td>
<td>Update Binary.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal → SIM2</td>
<td>C-APDU: UPDATE BINARY 1.2</td>
<td>Update Binary.</td>
</tr>
<tr>
<td>23</td>
<td>SIM2 → Terminal</td>
<td>R-APDU: UPDATE BINARY 1.2</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.2.3</td>
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</tr>
<tr>
<td>25</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.2.4</td>
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</tr>
<tr>
<td>26</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<tr>
<td>27</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.2.4</td>
<td>Read Binary.</td>
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<tr>
<td>28</td>
<td>Terminal → SIM2</td>
<td>C-APDU: READ BINARY 1.2</td>
<td>Read Binary.</td>
</tr>
<tr>
<td>29</td>
<td>SIM2 → Terminal</td>
<td>R-APDU: READ BINARY 1.2</td>
<td></td>
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<tr>
<td>30</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.2.4</td>
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<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.2.5</td>
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</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.2.5</td>
<td>Update Binary.</td>
</tr>
<tr>
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<td>Terminal → SIM2</td>
<td>C-APDU: UPDATE BINARY 1.2a</td>
<td>Update Binary.</td>
</tr>
<tr>
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<td>SIM2 → Terminal</td>
<td>R-APDU: UPDATE BINARY 1.2</td>
<td></td>
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<tr>
<td>36</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.2.3</td>
<td></td>
</tr>
</tbody>
</table>
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:

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<tr>
<th>BER-TLV:</th>
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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:

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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 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
Data: 'FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF 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 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'
C-APDU: READ BINARY 1.2

Logically:

C-APDU

Class: 'A0'
Instruction: READ BINARY
P1 parameter: '00'
P2 parameter: '00'
Lc: '18'

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: UPDATE BINARY 1.2a

Logically:

C-APDU

Class: 'A0'
Instruction: UPDATE BINARY
P1 parameter: '00'
P2 parameter: '00'
Lc: '18'
Data: 'FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF'

Coding:

```
Coding:  A0  B0  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  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:

\[
\text{Coding: } 90 \text{ 00}
\]

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:

\[
\begin{array}{cccccccccccccccc}
00 & 01 & 02 & 03 & 04 & 05 & 06 & 07 & 08 & 09 & 0A & 0B & 0C & 0D & 0E & 0F \\
10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & \hline
90 & 00 & \\
\end{array}
\]

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:

\[
\text{BER-TLV: } 81 \text{ 03 30 00 82 02 82 81 83 01 00 A3 02 9F 1B}
\]

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>30</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A3</td>
<td>02</td>
<td>9F</td>
<td>0F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>30</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A3</td>
<td>02</td>
<td>90</td>
<td>00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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
Expected Sequence 1.3 (PERFORM CARD APDU, card reader 1, card inserted, card powered off)

### Step 1
**UICC → Terminal**
**Message / Action:** PROACTIVE COMMAND PENDING: POWER OFF CARD 1.3.1
**Comments:**

### Step 2
**Terminal → UICC**
**Message / Action:** FETCH

### Step 3
**UICC → Terminal**
**Message / Action:** PROACTIVE COMMAND: POWER OFF CARD 1.3.1
**Comments:** Power off card reader 1.

### Step 4
**Terminal → SIM2**
**Message / Action:** POWER OFF CARD
**Comments:** Power off card reader 1.

### Step 5
**Terminal → UICC**
**Message / Action:** TERMINAL RESPONSE: POWER OFF CARD 1.3.1
**Comments:** Successful.

### Step 6
**Terminal**
**Message / Action:** SIM2 is powered off from Terminal card reader

### Step 7
**UICC → Terminal**
**Message / Action:** PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.1.1

### Step 8
**Terminal → UICC**
**Message / Action:** FETCH

### Step 9
**UICC → Terminal**
**Message / Action:** PROACTIVE COMMAND: PERFORM CARD APDU 1.1.1
**Comments:** Select Master File.

### Step 10
**Terminal → UICC**
**Message / Action:** TERMINAL RESPONSE: PERFORM CARD APDU 1.3.1
**Comments:** 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:**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>32</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>00</td>
</tr>
</tbody>
</table>

**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:**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>30</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>02</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>38</td>
</tr>
</tbody>
</table>

**Expected Sequence 1.4 (PERFORM CARD APDU, card reader 1, no card inserted)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Terminal</td>
<td>SIM2 is removed from Terminal card reader</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.1.1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.1.1</td>
<td>Select Master File.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.4.1</td>
<td>No card inserted.</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 30 00 82 02 82 81 83 02</th>
</tr>
</thead>
</table>

Expected Sequence 1.5 (PERFORM CARD APDU, card reader 7 (which is not the valid card reader identifier of the additional Terminal card reader))

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 1.5.1</td>
<td>Invalid card reader ID.</td>
</tr>
<tr>
<td>3</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 1.5.1</td>
<td>Select Master File.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 1.5.1</td>
<td>Specified reader not valid.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 12 81 03 01 30 00 82 02 81 17 A2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07 A0 A4 00 00 02 3F 00</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th align="right">BER-TLV:</th>
<th>81 03 01 30 00 82 02 82 81 83 02</th>
</tr>
</thead>
<tbody>
<tr>
<td align="right"></td>
<td>38 09</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PERFORM CARD APDU 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PERFORM CARD APDU 2.1.1</td>
<td>Select Master File.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PERFORM CARD APDU 2.1.1</td>
<td>Card reader detached.</td>
</tr>
</tbody>
</table>

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: Multiple Card 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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>POWER OFF CARD 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER OFF CARD 1.1.1</td>
<td>Power off card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → SIM2</td>
<td>POWER OFF CARD</td>
<td>Power off card reader 1.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER OFF CARD 1.1.1</td>
<td>Successful.</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SIM2 → Terminal</td>
<td>SIM2 is removed from Terminal card reader</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER OFF CARD 1.1.1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td>Power off card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER OFF CARD 1.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER OFF CARD 1.2.1</td>
<td>No card inserted.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 32 00 82 02 82 81 83 02</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>38 02</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER OFF CARD 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER OFF CARD 2.1.1</td>
<td>Power off card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER ON CARD 2.1.1</td>
<td>Card reader removed or not present.</td>
</tr>
</tbody>
</table>
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

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER ON CARD 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER ON CARD 1.1.1</td>
<td>Power on card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → SIM2</td>
<td>RESET CARD</td>
<td>Perform electrical initialization.</td>
</tr>
<tr>
<td>5</td>
<td>SIM2 → Terminal</td>
<td>ANSWER TO RESET 1.1.1</td>
<td>ATR</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER ON CARD 1.1.1</td>
<td>ATR</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>3B</th>
<th>0F</th>
<th>50</th>
<th>6F</th>
<th>77</th>
<th>65</th>
<th>72</th>
<th>4F</th>
<th>6E</th>
<th>43</th>
<th>61</th>
<th>72</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>64</td>
<td>54</td>
<td>65</td>
<td>74</td>
<td>75</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Expected Sequence 1.2 (POWER ON CARD, card reader 1, no ATR)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER ON CARD 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER ON CARD 1.1.1</td>
<td>Power on card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → SIM2</td>
<td>RESET CARD</td>
<td>Perform electrical initialization.</td>
</tr>
<tr>
<td>5</td>
<td>SIM2 → Terminal</td>
<td>NO ATR</td>
<td>No ATR</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER ON CARD 1.2.1</td>
<td>No ATR</td>
</tr>
</tbody>
</table>

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

Expected Sequence 1.3 (POWER ON CARD, card reader 1, no card inserted)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SIM2</td>
<td>SIM2 is removed from Terminal card reader</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER ON CARD 1.1.1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER ON CARD 1.1.1</td>
<td>Power on card reader 1.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER ON CARD 1.3.1</td>
<td>Card removed or not present.</td>
</tr>
</tbody>
</table>
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
```

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER ON CARD 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER ON CARD 2.1.1</td>
<td>Power on card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER ON CARD 2.1.1</td>
<td>Card reader removed or not present.</td>
</tr>
</tbody>
</table>

**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

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:

- 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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER ON CARD 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER ON CARD 1.1.1</td>
<td>Power on card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → SIM2</td>
<td>RESET CARD</td>
<td>Perform electrical initialization.</td>
</tr>
<tr>
<td>5</td>
<td>SIM2 → Terminal</td>
<td>ANSWER TO RESET 1.1.1</td>
<td>ATR</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER ON CARD 1.1.1</td>
<td>ATR</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET CARD READER STATUS 1.1.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET CARD READER STATUS 1.1.1</td>
<td>Get Card Reader Status.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1</td>
<td>Successful.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1a</td>
<td>Successful.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1b</td>
<td>Successful.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1c</td>
<td>Successful.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or TERMINAL RESPONSE: GET CARD READER STATUS 1.1.1d</td>
<td>Successful.</td>
</tr>
</tbody>
</table>

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:

BER-TLV: A1 02 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 82 80 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 82 81 83 01 00

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>33</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
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<tr>
<td></td>
<td>00</td>
<td>A0</td>
<td>01</td>
<td>F1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>33</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>00</td>
<td>A0</td>
<td>01</td>
<td>D1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>33</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
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<td>A0</td>
<td>01</td>
<td>F9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>33</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
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</thead>
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<td>00</td>
<td>A0</td>
<td>01</td>
<td>D9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Expected Sequence 1.2 (GET CARD READER STATUS, card reader 1, card inserted, card not powered)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: POWER OFF CARD 1.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: POWER OFF CARD 1.2.1</td>
<td>Power off card reader 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → SIM2</td>
<td>POWER OFF CARD</td>
<td>Power off card reader 1.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: POWER OFF CARD 1.2.1</td>
<td>Successful.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET CARD READER STATUS 1.1.1</td>
<td>Get Card Reader Status.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET CARD READER STATUS 1.1.1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1a</td>
<td>Successful.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1b</td>
<td>Successful.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1c</td>
<td>Successful.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or TERMINAL RESPONSE: GET CARD READER STATUS 1.2.1d</td>
<td>Successful.</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SIM2</td>
<td>SIM2 is removed from Terminal card reader</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET CARD READER STATUS 1.1.1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td>Get Card Reader Status.</td>
</tr>
<tr>
<td>4</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET CARD READER STATUS 1.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1a or TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1b or TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1c or TERMINAL RESPONSE: GET CARD READER STATUS 1.3.1d</td>
<td>Successful.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 33 00 82 02 82 81 83 01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00 A0 01 31</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>33</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00</td>
<td>A0</td>
<td>01</td>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>33</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00</td>
<td>A0</td>
<td>01</td>
<td>39</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Identity of card reader:</th>
<th>'1'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Card reader removable:</td>
<td>'Yes'</td>
</tr>
<tr>
<td>Card reader present:</td>
<td>Yes</td>
</tr>
<tr>
<td>Card reader ID-1 size:</td>
<td>'No'</td>
</tr>
<tr>
<td>Card present in reader:</td>
<td>No</td>
</tr>
<tr>
<td>Card powered:</td>
<td>No</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: GET CARD READER STATUS 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: GET CARD READER STATUS 2.1.1</td>
<td>Get Card Reader Status.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: GET CARD READER STATUS 2.1.1a</td>
<td>Successful.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 33 00 82 02 82 81 83 01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>00 A0 01 09</td>
</tr>
</tbody>
</table>

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:
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.1.1</td>
<td>Start timer 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.1.2</td>
<td>After 1 minute following reception of Terminal Response.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.1.2</td>
<td>Ask value of timer 1.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.1.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.1.3</td>
<td>Before timer expires!</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.1.3</td>
<td>Reinitialize timer 1.</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.1.3</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.1.4</td>
<td>After 30 s following reception of the Terminal Response.</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.1.4</td>
<td>Deactivate timer 1.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.1.4</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
D0 & 11 & 81 & 03 & 01 & 27 & 00 & 82 & 02 & 81 & 82 & A4 \\
01 & 01 & A5 & 03 & 00 & 50 & 00 & \\
\end{array}
\]

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:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
D0 & 0C & 81 & 03 & 01 & 27 & 02 & 82 & 02 & 81 & 82 & A4 \\
01 & 01 & \\
\end{array}
\]

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 30s

Coding:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
D0 & 11 & 81 & 03 & 01 & 27 & 00 & 82 & 02 & 81 & 82 & A4 \\
01 & 01 & A5 & 03 & 00 & 10 & 03 & \\
\end{array}
\]
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>0C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>27</th>
<th>01</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>A4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>01</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>27</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>27</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.2.1</td>
<td>Start timer 2.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.2.2</td>
<td>After 1 minute following reception of Terminal Response.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.2.2</td>
<td>Ask value of timer 2.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.2.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.2.3</td>
<td>Before timer expires!</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.2.3</td>
<td>Reinitialize timer 2.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-------------------</td>
<td>---------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.2.3</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.2.4</td>
<td>After 10 seconds following reception of Terminal Response</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.2.4</td>
<td>Deactivate timer 2.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.2.4</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

**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 00 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:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
81 & 03 & 01 & 27 & 02 & 82 & 02 & 82 & 81 & 83 & 01 & 00 \\
A4 & 01 & 02 \\
\end{array}
\]

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 < to the timer value of command 1.2.1

Coding:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
81 & 03 & 01 & 27 & 02 & 82 & 02 & 82 & 81 & 83 & 01 & 00 \\
A4 & 01 & 02 & A5 & 03 & xx & xx & xx \\
\end{array}
\]

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:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
81 & 03 & 01 & 27 & 01 & 82 & 02 & 82 & 81 & 83 & 01 & 00 \\
A4 & 01 & 02 & A5 & 03 & xx & xx & xx \\
\end{array}
\]
Expected Sequence 1.3 (TIMER MANAGEMENT, start timer 8 several times, get the current value of the timer and deactivate the timer successfully)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>MANAGEMENT 1.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT</td>
<td>Start timer 8.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER</td>
<td>After 1 minute following reception of Terminal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MANAGEMENT 1.3.2</td>
<td>Response</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT</td>
<td>Ask value of timer 8.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3.2</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER</td>
<td>Before timer expires!</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MANAGEMENT 1.3.3</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT</td>
<td>Reinitialize timer 8.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3.3</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3.3</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER</td>
<td>After 30 seconds following reception of Terminal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MANAGEMENT 1.3.4</td>
<td>Response.</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT</td>
<td>Deactivate timer 8.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3.4</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.3.4</td>
<td></td>
</tr>
</tbody>
</table>

**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 82 01 83 01 08 A4
```

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 00 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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 01 27 01 82 02 82 81 83 01 00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A4 01 08 A5 03 xx xx xx</td>
</tr>
</tbody>
</table>

Expected Sequence1.4 (TIMER MANAGEMENT, try to get the current value of a timer which is not started: action in contradiction with the current timer state)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC -&gt; Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal -&gt; UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC -&gt; Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.1</td>
<td>Get current value from timer 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal -&gt; UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.1A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.1B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>5</td>
<td>UICC -&gt; Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.2</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal -&gt; UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC -&gt; Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.2</td>
<td>Get current value from timer 2.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal -&gt; UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.2A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.2B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>9</td>
<td>UICC -&gt; Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.3</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal -&gt; UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC -&gt; Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.3</td>
<td>Get current value from timer 3.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.3A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.3B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.4</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.4</td>
<td>Get current value from timer 4.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.4A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.4B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.5</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.5</td>
<td>Get current value from timer 5.</td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.5A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.5B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.6</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.6</td>
<td>Get current value from timer 6.</td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.6A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.6B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>25</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.7</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.7</td>
<td>Get current value from timer 7.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.7A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.7B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>29</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.4.8</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.4.8</td>
<td>Get current value from timer 8.</td>
</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.8A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.4.8B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
</tbody>
</table>
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:

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:

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:

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
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>27</th>
<th>02</th>
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<tr>
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<td>A4</td>
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</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>0C</th>
<th>81</th>
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<tr>
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</table>

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
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 A4 01 06

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

Coding:

BER-TLV: 81 03 01 27 02 82 02 82 81 83 01 24

TERMINAL RESPONSE: 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

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

Coding:

BER-TLV: D0 0C 81 03 01 27 02 82 02 81 82 A4
Result
General Result: Action in contradiction with the current timer state

Timer identifier
Identifier of timer: 7

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
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<th>27</th>
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</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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<th>03</th>
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<tr>
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</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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<th>27</th>
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</table>

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:

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<tr>
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Expected Sequence1.5 (TIMER MANAGEMENT, try to deactivate a timer which is not started: action in contradiction with the current timer state)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
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<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.1</td>
<td>Deactivate timer 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.1A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.1B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.5.2</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.2</td>
<td>Deactivate timer 2.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.2A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.2B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>-----------------------------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.5.3</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.3</td>
<td>Deactivate timer 3.</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.3A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.3B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.5.4</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.4</td>
<td>Deactivate timer 4.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.4A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.4B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.5.5</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.5</td>
<td>Deactivate timer 5.</td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.5A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.5B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.5.6</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.6</td>
<td>Deactivate timer 6.</td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.6A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.6B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>25</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.5.7</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.7</td>
<td>Deactivate timer 7.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.7A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.7B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
<tr>
<td>29</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.5.8</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.5.8</td>
<td>Deactivate timer 8.</td>
</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.8A or TERMINAL RESPONSE: TIMER MANAGEMENT 1.5.8B</td>
<td>Action in contradiction with the current timer state.</td>
</tr>
</tbody>
</table>

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
```
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
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:

<table>
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<tr>
<th>BER-TLV:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>A4 01 03</td>
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</tr>
</tbody>
</table>

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

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

Coding:

<table>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>01 04</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
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<th>01</th>
<th>27</th>
<th>01</th>
<th>82</th>
<th>02</th>
<th>82</th>
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<tbody>
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</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>27</th>
<th>01</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>24</th>
</tr>
</thead>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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<th>0C</th>
<th>81</th>
<th>03</th>
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<th>27</th>
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</table>
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:

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<tr>
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</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>27</th>
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<td>A4</td>
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</tbody>
</table>
### Expected Sequence 1.6 (TIMER MANAGEMENT, start 8 timers successfully)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.1</td>
<td>Timer 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.6.2</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.2</td>
<td>Timer 2.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.6.3</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
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<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.3</td>
<td>Timer 3.</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.3</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.6.4</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.4</td>
<td>Timer 4.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.4</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.6.5</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.5</td>
<td>Timer 5.</td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.5</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.6.6</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.6</td>
<td>Timer 6.</td>
</tr>
<tr>
<td>24</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.6</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>25</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.6.7</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.7</td>
<td>Timer 7.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
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<td>-----------------------------------------------</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.7</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>29</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 1.6.8</td>
<td></td>
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<tr>
<td>30</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 1.6.8</td>
<td>Timer 8.</td>
</tr>
<tr>
<td>32</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 1.6.8</td>
<td>Command performed successfully.</td>
</tr>
</tbody>
</table>

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:

<table>
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<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>11</th>
<th>81</th>
<th>03</th>
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<th>27</th>
<th>00</th>
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</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>27</th>
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<th>82</th>
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</table>

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:

<table>
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<tr>
<th>BER-TLV:</th>
<th>D0 11 81 03 01 27 00 82 02 81 82 A4</th>
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</table>

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:

<table>
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<tr>
<th>BER-TLV:</th>
<th>81 03 01 27 00 82 02 82 81 83 01 00</th>
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</thead>
<tbody>
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<td>A4 01 03</td>
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</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 11 81 03 01 27 00 82 02 81 82 A4</th>
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</thead>
<tbody>
<tr>
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<td>01 04 A5 03 00 00 50</td>
</tr>
</tbody>
</table>

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 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 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:

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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:

<table>
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<tr>
<th>BER-TLV:</th>
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<th>27</th>
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</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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<th>81</th>
<th>03</th>
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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

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:

- 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:
  - 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 2.1.1</td>
<td>Timer 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 2.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: TIMER EXPIRATION 2.1.1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: MORE TIME X.1(or an other CAT command tested before to ensure it is properly supported by the Terminal).</td>
<td>Response to envelope is &quot;91 xx&quot;.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
</tbody>
</table>

**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 2.2A (TIMER EXPIRATION, UICC application toolkit busy)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND REQUEST: TIMER MANAGEMENT 2.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 2.2.1</td>
<td>Timer 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 2.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: TIMER EXPIRATION 2.2.1A</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION REQUEST: BUSY</td>
<td>UICC is busy; response to the envelope = &quot;93 00&quot;.</td>
</tr>
<tr>
<td></td>
<td>...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: TIMER EXPIRATION 2.2.1B</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION REQUEST: BUSY</td>
<td>UICC is busy, response to the envelope = &quot;93 00&quot;.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: TIMER EXPIRATION 2.2.1C</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION REQUEST: ENDED</td>
<td>UICC is not busy.</td>
</tr>
</tbody>
</table>
Or:

Expected Sequence 2.2B (TIMER EXPIRATION, UICC application toolkit busy)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: TIMER MANAGEMENT 2.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: TIMER MANAGEMENT 2.2.1</td>
<td>Timer 1.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: TIMER MANAGEMENT 2.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: TIMER EXPIRATION 2.2.1A</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>RESPONSE TO THE ENVELOPE</td>
<td>UICC is busy; response to the envelope = “93 00”.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UICC is busy during 10 sec, the Terminal may retry to send the envelope. After one (or several) answer(s) 93 00, the Terminal waits for a TERMINAL RESPONSE processed by the UICC with status “90 00”.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → UICC</td>
<td>STATUS</td>
<td>UICC is not busy.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>Response to the STATUS command</td>
<td>SW1/SW2=91 xx.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>PROACTIVE COMMAND PENDING</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: e.g. MORE TIME 2.2.2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: e.g. TIMER MANAGEMENT 2.2.2</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td></td>
<td>SW1/SW2 = 90 00.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Steps 7–13 shall be repeated (X-1) times if the Terminal manufacturers specifies that the Terminal waits for X TERMINAL RESPONSES with status 90 00 to send the TIMER EXPIRATION envelope.</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: TIMER EXPIRATION 2.2.1B</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

**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:

\[
\text{BER-TLV: } D0 \ 11 \ 81 \ 03 \ 01 \ 27 \ 00 \ 82 \ 02 \ 81 \ 82 \ A4 \\
01 \ 01 \ A5 \ 03 \ 00 \ 00 \ 03
\]

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:

\[
\text{BER-TLV: } 81 \ 03 \ 01 \ 27 \ 00 \ 82 \ 02 \ 82 \ 81 \ 83 \ 01 \ 00 \\
A4 \ 01 \ 01
\]

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:

\[
\text{BER-TLV: } D7 \ 0C \ 82 \ 02 \ 82 \ 81 \ A4 \ 01 \ 01 \ A5 \ 03 \ 00 \\
00 \ xx
\]

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: ≥ timer in clause 2.2.1A

Coding:

BER-TLV: D7 0C 82 02 82 81 A4 01 01 A5 03 00

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: ≥ timer in 2.2.1B

Coding:

BER-TLV: D7 0C 82 02 82 81 A4 01 01 A5 03 00

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
27.22.4.21.2.5 Test requirement
The Terminal shall operate in the manner defined in expected sequences 2.1 to 2.2B.

27.22.4.22 SET UP IDLE MODE TEXT

27.22.4.22.1 SET UP IDLE MODE TEXT (normal)

27.22.4.22.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.22.1.2 Conformance requirement
- TS 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:

- 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 and be in updated idle mode on the USS.

27.22.4.22.1.4.2 Procedure

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display “Idle Mode Text”</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0F</td>
<td>04</td>
<td>49</td>
<td>64</td>
<td>6C</td>
<td>65</td>
<td>20</td>
<td>4D</td>
<td>6F</td>
<td>64</td>
<td>85</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 | 81 | 83 | 01 | 00 |

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.2.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>------------------------------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.2.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.2.1</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>13</td>
<td>Terminal → USER</td>
<td>Display &quot;Toolkit Test&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**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 6F 6F 6C 6B 69 74 20 0D 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.1</td>
<td>&quot;Idle Mode Text&quot;</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.3.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.3.1</td>
<td>Remove idle mode text.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.3.1</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>13</td>
<td>Terminal → USER</td>
<td>Display idle screen / &quot;Idle Mode Text&quot; not to be displayed</td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.1</td>
<td>&quot;Idle Mode Text&quot;.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.4.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 1.4.1</td>
<td>Normal priority, wait for user to clear message, unpacked, 8 bit data.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display &quot;Toolkit Test 1&quot;</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 1.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>13</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: PLAY TONE 1.4.1</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: PLAY TONE 1.4.1</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → USER</td>
<td>Display &quot;Dial Tone&quot;</td>
<td>Play a standard supervisory dial tone through the external ringer for a duration of 5 s</td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: PLAY TONE 1.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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:

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

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1B</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>20</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>03</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09</td>
<td>44</td>
<td>69</td>
<td>61</td>
<td>6C</td>
<td>20</td>
<td>54</td>
<td>6F</td>
<td>6E</td>
<td>65</td>
<td>8E</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>01</td>
<td>84</td>
<td>02</td>
<td>01</td>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td><strong>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.1</strong></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.1</td>
<td>&quot;Idle Mode Text&quot;.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Power off Terminal</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal ⇔ UICC</td>
<td>NAA Session TERMINATION PROCEDURE</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Power on Terminal</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Terminal ⇔ UICC</td>
<td>NAA Session ACTIVATION PROCEDURE</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal ⇔ UICC</td>
<td>NAA INITIALIZATION</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>13</td>
<td>Terminal → USER</td>
<td>Display idle screen / &quot;Idle Mode Text&quot; not to be displayed</td>
<td></td>
</tr>
</tbody>
</table>
Expected Sequence 1.6 (SET UP IDLE MODE TEXT, REFRESH with USIM Initialization)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.1.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>6</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: REFRESH 1.6.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: REFRESH 1.6.1</td>
<td>NAA Initialization.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal ⇔ UICC</td>
<td>NAA INITIALIZATION</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>12</td>
<td>Terminal → USER</td>
<td>Display idle screen / &quot;Idle Mode Text&quot; not to be displayed</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: REFRESH 1.6.1A or TERMINAL RESPONSE: REFRESH 1.6.1B</td>
<td>Command performed successfully. Command performed successfully with additional files read.</td>
</tr>
<tr>
<td>14</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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 00

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 1.7.1</td>
<td>Large text string.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 1.7.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 1.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display “The SIM shall supply a text string, which shall be displayed by the Terminal as an idle mode text if the Terminal is able to do it. The presentation style is left as an implementation decision to the Terminal manufacturer. The idle mode text shall be displayed in a manner that ensures that no” 274 characters.</td>
<td></td>
</tr>
</tbody>
</table>
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 Terminal as an idle mode text if the Terminal is able to do it. The presentation style is left as an implementation decision to the Terminal 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

TERMINAL RESPONSE: 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: 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

<p>| Expected Sequence 2.1A (SET UP IDLE MODE TEXT, Icon is self-explanatory, successful) |
|----------------------------------|----------------------------------|----------------------------------|</p>
<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.1.1</td>
<td>Icon is self-explanatory.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.1.1A</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display the icon</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0 19 81 03 01 28 00 82 02 81 82 8D 02 00 01</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>81 03 01 28 00 82 02 82 81 83 01 00</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.1.1</td>
<td>Icon is self-explanatory.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.1.1B</td>
<td>Command performed successfully, but requested icon could not be displayed.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle text&quot; without the icon</td>
<td></td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.2.1</td>
<td>Icon is not self-explanatory.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.2.1A</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display icon #1 and &quot;Idle text&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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>
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:
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

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td>Icon is not self-explanatory.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PENDING: SET UP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>IDLE MODE TEXT</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>: SET UP IDLE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>MODE TEXT 2.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE</td>
<td>Command performed successfully, but</td>
</tr>
<tr>
<td></td>
<td></td>
<td>: SET UP IDLE</td>
<td>requested icon could not be</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MODE TEXT 2.2.1B</td>
<td>displayed.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle text&quot; without the icon</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.3.1</td>
<td>Icon is self-explanatory.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.3.1A</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display the icon</td>
<td></td>
</tr>
</tbody>
</table>

**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: 81 03 01 28 00 82 02 81 83 01 04
```

**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: 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
```
Expected Sequence 2.3B (SET UP IDLE MODE TEXT, Icon is self-explanatory, colour icon, requested icon could not be displayed)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.3.1</td>
<td>Icon is self-explanatory.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.3.1B</td>
<td>Requested icon could not be displayed.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display 'Idle text' without the icon</td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 2.4.1</td>
<td>Icon is not self-explanatory, empty text string.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 2.4.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 2.4.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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 |

27.22.4.22.5 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 3.1.1</td>
<td>&quot;Hello&quot; in Russian.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 3.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 3.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen Only if idle screen not already available.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display “ЗДРАВСТВУЙТЕ” “Hello” in Russian.</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>24</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>19</td>
<td>08</td>
<td>04</td>
<td>17</td>
<td>04</td>
<td>14</td>
<td>04</td>
<td>20</td>
<td>04</td>
<td>10</td>
<td>04</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>21</td>
<td>04</td>
<td>22</td>
<td>04</td>
<td>12</td>
<td>04</td>
<td>23</td>
<td>04</td>
<td>19</td>
<td>04</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.1.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>Message / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>--------------------</td>
<td>-------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with left alignment.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.1.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.1.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>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.</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>49</td>
<td>64</td>
<td>6C</td>
<td>65</td>
<td>20</td>
<td>4D</td>
<td>6F</td>
<td>64</td>
<td>65</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>31</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>49</td>
<td>64</td>
<td>6C</td>
<td>65</td>
<td>20</td>
<td>4D</td>
<td>6F</td>
<td>64</td>
<td>65</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 | 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
- 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.
27.22.4.22.4.2.2 Procedure

Expected Sequence 4.2 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute - Center Alignment)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.2.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.2.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with center alignment.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.2.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.2.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>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.</td>
</tr>
</tbody>
</table>

**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
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 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 B4

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 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

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.3.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.3.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with right alignment.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.3.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.3.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.3.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>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.</td>
</tr>
</tbody>
</table>
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 D0 04 00 10 02 B4

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
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.4.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.4.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with large font size.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>Message / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.4.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.4.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.4.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with normal font size.</td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.1</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>21</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with large font size.</td>
</tr>
<tr>
<td>22</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.4.3</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.4.3</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.4.3</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with normal font size.</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>49</td>
<td>64</td>
<td>6C</td>
<td>65</td>
<td>20</td>
<td>4D</td>
<td>6F</td>
<td>64</td>
<td>65</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>31</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>04</td>
<td>B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>49</td>
<td>64</td>
<td>6C</td>
<td>65</td>
<td>20</td>
<td>4D</td>
<td>6F</td>
<td>64</td>
<td>65</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>31</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>04</td>
<td>B4</td>
</tr>
</tbody>
</table>

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"
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 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

• 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.
### Procedure

**Expected Sequence 4.5 (SET UP IDLE MODE TEXT, display idle mode text, Text Attribute - Small Font Size)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.5.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.5.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with small font size.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.5.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.5.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with normal font size.</td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.1</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>21</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with small font size.</td>
</tr>
<tr>
<td>22</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.5.3</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.5.3</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.5.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with normal font size.</td>
</tr>
</tbody>
</table>
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: 00 00 00 00 04 00 00 10 04 04 49 64 6C 65 20 4D 6F 64 65 20 54 65 78 74 20 31

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: 00 00 00 00 04 00 00 10 00 00 10 00 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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
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<th>1C</th>
<th>81</th>
<th>03</th>
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<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>49</td>
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<td>6C</td>
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<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.6.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.6.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with bold on.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.6.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.6.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.6.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with bold off.</td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.1</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>21</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with bold on.</td>
</tr>
<tr>
<td>22</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.6.3</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
</tbody>
</table>
Step | Direction | Message / Action | Comments
--- | --- | --- | ---
24 | UICC → Terminal | PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.6.3 |  |
25 | Terminal → UICC | TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.6.1 | Command performed successfully. |
26 | UICC → Terminal | PROACTIVE UICC SESSION ENDED |  |
27 | USER → Terminal | Select idle screen | Only if idle screen not already available. |
28 | Terminal → USER | Display "Idle Mode Text" | 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:

<table>
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<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
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<th>82</th>
<th>8D</th>
</tr>
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<tbody>
<tr>
<td>11</td>
<td>04</td>
<td>49</td>
<td>64</td>
<td>66</td>
<td>65</td>
<td>20</td>
<td>4D</td>
<td>6F</td>
<td>64</td>
<td>65</td>
<td>20</td>
<td></td>
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<tr>
<td>54</td>
<td>65</td>
<td>78</td>
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<td>20</td>
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<td>04</td>
<td>00</td>
<td>10</td>
<td>10</td>
<td>B4</td>
<td></td>
</tr>
</tbody>
</table>

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:**

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
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<th>22</th>
<th>81</th>
<th>03</th>
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<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
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<td></td>
<td>11</td>
<td>04</td>
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<td>64</td>
<td>6C</td>
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<td>6F</td>
<td>64</td>
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<td>32</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
</tr>
</tbody>
</table>
```

**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:**

```
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<tr>
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<th>1C</th>
<th>81</th>
<th>03</th>
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<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
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<td>11</td>
<td>04</td>
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<td>33</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
```

**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:**

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
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<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>
```

**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
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.7.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.7.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with italic on.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.7.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.7.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with italic off.</td>
</tr>
</tbody>
</table>
### Step Direction Message / Action Comments

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.1</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>21</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with italic on.</td>
</tr>
<tr>
<td>22</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.7.3</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.7.3</td>
<td></td>
</tr>
<tr>
<td>25</td>
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<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.7.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with italic off.</td>
</tr>
</tbody>
</table>

**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**

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<th>D3</th>
<th>D4</th>
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<th>D11</th>
<th>D12</th>
<th>D13</th>
<th>D14</th>
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<td>31</td>
<td>D0</td>
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<td>20</td>
<td>B4</td>
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<td></td>
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</tbody>
</table>

ETSIs
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:

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<thead>
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<th>81</th>
<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
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</thead>
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</tr>
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<td>04</td>
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<td>6C</td>
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<td>4D</td>
<td>6F</td>
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<td>65</td>
<td>20</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
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<th>BER-TLV:</th>
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<th>1C</th>
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<th>03</th>
<th>01</th>
<th>28</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>04</td>
<td>49</td>
<td>64</td>
<td>6C</td>
<td>65</td>
<td>20</td>
<td>4D</td>
<td>6F</td>
<td>64</td>
<td>65</td>
<td>20</td>
</tr>
</tbody>
</table>
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

- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.8.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.8.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with underline on.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.8.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.8.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with underline off.</td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.1</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>21</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with underline on.</td>
</tr>
<tr>
<td>22</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.8.3</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.8.3</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.8.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with underline off.</td>
</tr>
</tbody>
</table>
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:

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</table>

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:

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<th>8D</th>
</tr>
</thead>
<tbody>
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<td>11</td>
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<td>74</td>
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<td>04</td>
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</table>
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:

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<th>02</th>
<th>81</th>
<th>82</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
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<td>20</td>
<td>4D</td>
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<td></td>
</tr>
</tbody>
</table>

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

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with strikethrough on.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>14</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with strikethrough off.</td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.1</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>21</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with strikethrough on.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>Message / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>-------------------------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>22</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.9.3</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.9.3</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.9.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>26</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>28</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with strikethrough off.</td>
</tr>
</tbody>
</table>

**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 00 82 02 81 82 8D 54 65 78 74 20 31 D0 04 00 10 80 B4
```
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 22 81 03 01 28 00 82 02 81 82 8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11 04 49 64 6C 65 20 4D 6F 64 65 20</td>
</tr>
<tr>
<td></td>
<td>54 65 78 74 20 32 D0 04 10 00 B4</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 1C 81 03 01 28 00 82 02 81 82 8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11 04 49 64 6C 65 20 4D 6F 64 65 20</td>
</tr>
<tr>
<td></td>
<td>54 65 78 74 20 33</td>
</tr>
</tbody>
</table>

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 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

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.10.1</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.10.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 4.10.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display &quot;Idle Mode Text&quot;</td>
<td>Text is displayed with foreground and background colour according to the text attribute configuration.</td>
</tr>
<tr>
<td>8</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 4.10.2</td>
<td>Idle Mode Text.</td>
</tr>
<tr>
<td>9</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 4.10.2</td>
<td></td>
</tr>
</tbody>
</table>
## 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:**

<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0</th>
<th>D2</th>
<th>D3</th>
<th>D4</th>
<th>D5</th>
<th>D6</th>
<th>D7</th>
<th>D8</th>
<th>D9</th>
<th>D10</th>
<th>D11</th>
<th>D12</th>
<th>D13</th>
<th>D14</th>
<th>D15</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>54</td>
<td>65</td>
<td>78</td>
<td>74</td>
<td>20</td>
<td>31</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 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"
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.
Expected Sequence 5.1 (SET UP IDLE MODE TEXT, UCS2 alphabet text in Chinese)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 5.1.1</td>
<td>&quot;Hello&quot; in Chinese.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 5.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 5.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen Only if idle screen not already available</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display “你好”</td>
<td>&quot;Hello&quot; in Chinese.</td>
</tr>
</tbody>
</table>

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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP IDLE MODE TEXT 6.1.1</td>
<td>“80IT0” in Katakana.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP IDLE MODE TEXT 6.1.1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP IDLE MODE TEXT 6.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select idle screen</td>
<td>Only if idle screen not already available.</td>
</tr>
<tr>
<td>7</td>
<td>Terminal → USER</td>
<td>Display “80IT0”</td>
<td>“80Test0” in Katakana.</td>
</tr>
</tbody>
</table>

**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/g48080"

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:

- 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.
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 1.1.1</td>
<td>No alpha identifier, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ User)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 1.1.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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 81 83 01 00 |
| A9 LL XX ... ... XX |

Expected Sequence 1.2 (RUN AT COMMAND, null data alpha identifier presented, request Terminal Manufacturer ID)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 1.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 1.2.1</td>
<td>Null data alpha identifier, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal</td>
<td>The Terminal should not give any information to user on the fact that the Terminal is performing an AT command</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 1.1.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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 83 01 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 1.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 1.3.1</td>
<td>Alpha identifier, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Run AT Command&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 1.1.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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 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:

- 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.
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.1.1</td>
<td>BASIC-ICON, self-explanatory, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display BASIC ICON without the alpha identifier</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A</td>
<td>Command performed successfully, AT response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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_{IMG}
Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 22 81 03 01 34 00 82 02 81 82 85 0A 42 61 73 69 63 20 49 63 6F A8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07 41 54 2B 43 47 4D 49 9E 02 00 01</td>
</tr>
</tbody>
</table>

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 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.1.1</td>
<td>BASIC-ICON, self-explanatory, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display 'Basic Icon' without the BASIC-ICON</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.1.1B</td>
<td>Command performed but requested icon could not be displayed, AT response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.2.1</td>
<td>COLOUR-ICON, self-explanatory, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display COLOUR-ICON without the alpha identifier</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A</td>
<td>Command performed successfully, AT response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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 (IMG)

Coding:

BER-TLV: D0 23 81 03 01 34 00 82 02 81 82 A8

08 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.2.1</td>
<td>COLOUR-ICON, self-explanatory, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display 'Colour Icon' without the COLOUR-ICON</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.1.1B</td>
<td>Command performed but requested icon could not be displayed, AT response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

Expected Sequence 2.3A (RUN AT COMMAND, basic icon non self-explanatory, request Terminal Manufacturer ID, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.3.1</td>
<td>BASIC-ICON, non self-explanatory, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Basic Icon&quot; and BASIC-ICON</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A</td>
<td>Command performed successfully, AT response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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_IMG

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>22</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0A</td>
<td>42</td>
<td>61</td>
<td>73</td>
<td>69</td>
<td>63</td>
<td>20</td>
<td>49</td>
<td>63</td>
<td>6F</td>
<td>6E</td>
<td>A8</td>
</tr>
<tr>
<td></td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
<td>4D</td>
<td>49</td>
<td>9E</td>
<td>02</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>
Expected Sequence 2.3B (RUN AT COMMAND, basic icon non self-explanatory, request Terminal Manufacturer ID, requested icon could not be displayed)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.3.1</td>
<td>BASIC-ICON, non self-explanatory, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Basic Icon&quot; without BASIC-ICON</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.1.1B</td>
<td>Command performed but requested icon could not be displayed, AT response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

Expected Sequence 2.4A (RUN AT COMMAND, colour icon non self-explanatory, request Terminal Manufacturer ID, successful)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.4.1</td>
<td>COLOUR-ICON, non self-explanatory, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Colour Icon&quot; and COLOUR-ICON</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.1.1A</td>
<td>Command performed successfully, AT response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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(IMG)

Coding:

| BER-TLV | D0 | D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 | D13 | D14 | D15 |
|---------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|         | 0B | 43 | 6F | 6C | 6F | 75 | 72 | 20 | 49 | 63 | 6F | 6E | A8 | 07 | 41 | 54 |
|         | 02 | 43 | 4D | 49 | 9E | 02 | 01 |    |    |    |    |    |    |    |    |    |
Expected Sequence 2.4B (RUN AT COMMAND, colour icon non self-explanatory, request Terminal Manufacturer ID, requested icon could not be displayed)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.4.1 COLOUR-ICON, non self-explanatory,</td>
<td>request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>request Terminal Manufacturer ID.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;Colour Icon&quot; without COLOUR-ICON</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.1.1B Command performed but requested icon</td>
<td>could not be displayed, AT response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

Expected Sequence 2.5 (RUN AT COMMAND, basic icon non self-explanatory, no alpha identifier presented)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 2.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 2.5.1 BASIC-ICON, non self-explanatory.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 2.5.1 Command data not understood by Terminal.</td>
<td></td>
</tr>
</tbody>
</table>

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_IMG

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:

- 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.
- 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.
27.22.4.23.1.4.2 Procedure

Expected Sequence 3.1 (RUN AT COMMAND, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Left Alignment)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.1.1</td>
<td>Alpha identifier is displayed with left alignment, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.1.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.1.2</td>
<td>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.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.1.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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 2"

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:

### 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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>2A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>52</td>
<td>75</td>
<td>6E</td>
<td>20</td>
<td>41</td>
<td>54</td>
<td>20</td>
<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>32</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>4D</td>
<td>49</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

### 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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td>A9</td>
<td>LL</td>
<td>XX</td>
<td>...</td>
<td>...</td>
<td>XX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

27.22.423.3.1.5 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:

- 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.
- 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, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Center Alignment)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.2.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.2.1</td>
<td>Alpha identifier is displayed with center alignment, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.2.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.2.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
</tbody>
</table>
Step | Direction | MESSAGE / Action | Comments
--- | --- | --- | ---
9 | UICC → Terminal | PROACTIVE COMMAND: RUN AT COMMAND 3.2.2 | 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.
10 | Terminal (→ USER) | The Terminal may give information to the user concerning what is happening
11 | Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.2.1 | Command performed successfully, AT Response containing Terminal Manufacturer ID.
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 2"

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>2A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td>D0</td>
<td>10</td>
<td>52</td>
<td>75</td>
<td>6E</td>
<td>20</td>
<td>41</td>
<td>54</td>
<td>20</td>
<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
</tr>
<tr>
<td>D1</td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>32</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
</tr>
<tr>
<td>D2</td>
<td>4D</td>
<td>49</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>01</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>24</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td>52</td>
<td>75</td>
<td>6E</td>
<td>20</td>
<td>41</td>
<td>54</td>
<td>20</td>
<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>32</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A9</td>
<td>LL</td>
<td>XX</td>
<td>...</td>
<td>...</td>
<td>XX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 RUN AT COMMAND (support of Text Attribute - Right Alignment)

27.22.4.23.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.23.3.2 Conformance requirement

The Terminal shall support the Proactive UICC: RUN AT COMMAND facility as defined in:

- 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.
- TS 127 007 [6].

The terminal shall support the text attribute.

27.22.4.23.3.3 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.
27.22.4.23.3.4 Method of test

27.22.4.23.3.4.1 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, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Right Alignment)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.3.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.3.1</td>
<td>Alpha identifier is displayed with right alignment, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.3.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.3.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.3.2</td>
<td>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.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.3.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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 2"

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, Strike-through 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 61 6E 64 20 32 A8 07 41 54 2B 43 47
```

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 61 6E 64 20 32 A8 07 41 54 2B 43 47
```

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 |

27.22.4.23.3.5 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:

- 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.
- 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.
### Procedure

**Expected Sequence 3.4 (RUN AT COMMAND, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Large Font Size)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.4.1</td>
<td>Alpha identifier is displayed with large font size, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.4.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.2</td>
<td>Alpha identifier is displayed with normal font size, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.4.2</td>
<td>Alpha identifier is displayed with large font size, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.4.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.4.1</td>
<td>Alpha identifier is displayed with large font size, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.4.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.4.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.4.3</td>
<td>Alpha identifier is displayed with normal font size, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.4.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>2A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td>52</td>
<td>75</td>
<td>6E</td>
<td>20</td>
<td>41</td>
<td>54</td>
<td>20</td>
<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>31</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>4D</td>
<td>49</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>04</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
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 2A 81 03 01 34 00 82 02 81 82 85
10 52 75 6E 20 41 54 20 43 6F 6D 61 6E 64 20 32 A8 07 41 54 2B 43 47

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 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:

- 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.
- 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, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Small Font Size)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.5.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.5.1</td>
<td>Alpha identifier is displayed with small font size, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.5.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.5.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.5.2</td>
<td>Alpha identifier is displayed with normal font size, request Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>
### PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.1

#### Logically:

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.5.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.5.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.5.1</td>
<td>Alpha identifier is displayed with small font size, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>16</td>
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<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.5.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.5.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.5.3</td>
<td>Alpha identifier is displayed with normal font size, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.5.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 2A 81 03 01 34 00 82 02 81 82 85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 52 75 6E 20 41 54 20 43 6F 6D 6D</td>
</tr>
<tr>
<td></td>
<td>61 6E 64 20 31 A8 07 41 54 2B 43 47</td>
</tr>
<tr>
<td></td>
<td>4D 49 D0 04 00 10 08 B4</td>
</tr>
</tbody>
</table>

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.2

Logically:

<table>
<thead>
<tr>
<th>Command details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Command number:</td>
</tr>
<tr>
<td>Command type:</td>
</tr>
<tr>
<td>Command qualifier:</td>
</tr>
</tbody>
</table>

Device identities

<table>
<thead>
<tr>
<th>Source device:</th>
<th>UICC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination device:</td>
<td>Terminal</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 2A 81 03 01 34 00 82 02 81 82 85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 52 75 6E 20 41 54 20 43 6F 6D 6D</td>
</tr>
<tr>
<td></td>
<td>61 6E 64 20 32 A8 07 41 54 2B 43 47</td>
</tr>
<tr>
<td></td>
<td>4D 49 D0 04 00 10 00 B4</td>
</tr>
</tbody>
</table>

PROACTIVE UICC COMMAND: RUN AT COMMAND 3.5.3

Logically:

<table>
<thead>
<tr>
<th>Command details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Command number:</td>
</tr>
<tr>
<td>Command type:</td>
</tr>
<tr>
<td>Command qualifier:</td>
</tr>
</tbody>
</table>

Device identities

<table>
<thead>
<tr>
<th>Source device:</th>
<th>UICC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination device:</td>
<td>Terminal</td>
</tr>
</tbody>
</table>

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 40 01 34 00 82 02 81 83 01 00 A9 LL XX ... XX |

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:
- 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.
- 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, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Bold On)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.6.1</td>
<td>Alpha identifier is displayed with bold on, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.6.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.6.2</td>
<td>Alpha identifier is displayed with bold off, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.6.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.6.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.6.1</td>
<td>Alpha identifier is displayed with bold on, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.6.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>
### Step Direction | MESSAGE / Action | Comments
---|---|---
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 | Alpha identifier is displayed with bold off, request Terminal Manufacturer ID.  
22 Terminal (→ USER) | The Terminal may give information to the user concerning what is happening |  
23 Terminal → UICC | TERMINAL RESPONSE: RUN AT COMMAND 3.6.1 | Command performed successfully, AT Response containing Terminal Manufacturer ID.  
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**
  - "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**
  
<table>
<thead>
<tr>
<th>BER-TLV</th>
<th>D0</th>
<th>2A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
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<tr>
<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>31</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>4D</td>
<td>49</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>10</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>2A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
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<td>6E</td>
<td>64</td>
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<td>32</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>4D</td>
<td>49</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>24</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
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<td>6D</td>
<td>6D</td>
</tr>
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<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
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<td>32</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
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<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

- 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.
- 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, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Italic On)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.7.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.7.1</td>
<td>Alpha identifier is displayed with italic on, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.7.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.7.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.7.2</td>
<td>Alpha identifier is displayed with italic off, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>10</td>
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<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.7.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.7.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.7.1</td>
<td>Alpha identifier is displayed with italic on, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>16</td>
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<td></td>
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<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.7.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.7.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.7.3</td>
<td>Alpha identifier is displayed with italic off, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.7.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

PROACTIVE UI CC 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
   "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:

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
   "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:

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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>24</th>
<th>81</th>
<th>03</th>
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<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>75</td>
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<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
</tr>
<tr>
<td></td>
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<td>A8</td>
<td>07</td>
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<td>2B</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

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:

```
<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A9</td>
<td>LL</td>
<td>XX</td>
<td>...</td>
<td>...</td>
<td>XX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
```

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:

- 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.
- 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, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Underline On)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.8.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.8.1</td>
<td>Alpha identifier is displayed with underline on, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.8.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.8.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.8.2</td>
<td>Alpha identifier is displayed with underline off, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.8.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UIICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.8.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.8.1</td>
<td>Alpha identifier is displayed with underline on, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>16</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.8.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.8.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.8.3</td>
<td>Alpha identifier is displayed with underline off, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.8.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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:

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<tr>
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<td>A8</td>
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</tr>
<tr>
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<td>04</td>
<td>00</td>
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</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
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<th>81</th>
<th>03</th>
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<td>6D</td>
<td>6D</td>
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</tr>
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<td>B4</td>
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<td></td>
</tr>
</tbody>
</table>

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:

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</tr>
</tbody>
</table>
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:

- 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.
- 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, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Strikethrough On)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.9.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.9.1</td>
<td>Alpha identifier is displayed with strikethrough on, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.9.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.9.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.9.2</td>
<td>Alpha identifier is displayed with strikethrough off, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.9.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.9.1</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.9.1</td>
<td>Alpha identifier is displayed with strikethrough on, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>16</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.9.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>18</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>--------------------</td>
<td>--------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>19</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.9.3</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.9.3</td>
<td>Alpha identifier is displayed with strikethrough off, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>22</td>
<td>Terminal (→ USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.9.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>24</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>2A</th>
<th>81</th>
<th>03</th>
<th>01</th>
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<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coding</td>
<td>10</td>
<td>52</td>
<td>75</td>
<td>6E</td>
<td>20</td>
<td>41</td>
<td>54</td>
<td>20</td>
<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>31</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>4D</td>
<td>49</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>80</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>10</th>
<th>2A</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>52</td>
<td>75</td>
<td>20</td>
<td>41</td>
<td>54</td>
<td>20</td>
<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
<td></td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>32</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>4D</td>
<td>49</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>10</th>
<th>24</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>52</td>
<td>75</td>
<td>6E</td>
<td>20</td>
<td>41</td>
<td>54</td>
<td>20</td>
<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
<td></td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>33</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4D</td>
<td>49</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
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:

- 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.
- 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, no alpha identifier presented, request Terminal Manufacturer ID, Text Attribute - Foreground and Background Colour)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.10.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.10.1</td>
<td>Alpha identifier is displayed with foreground and background colour according to the text attribute configuration, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>Step</td>
<td>Direction</td>
<td>MESSAGE / Action</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------</td>
</tr>
<tr>
<td>4</td>
<td>Terminal (→USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.10.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>6</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 3.10.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 3.10.2</td>
<td>Alpha identifier is displayed with Terminal’s default foreground and background colour, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal (→USER)</td>
<td>The Terminal may give information to the user concerning what is happening</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 3.10.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>12</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UI CC SESSION ENDED</td>
<td></td>
</tr>
</tbody>
</table>

PROACTIVE UI CC 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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>2A</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>85</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td>52</td>
<td>75</td>
<td>6E</td>
<td>20</td>
<td>41</td>
<td>54</td>
<td>20</td>
<td>43</td>
<td>6F</td>
<td>6D</td>
<td>6D</td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>6E</td>
<td>64</td>
<td>20</td>
<td>31</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>4D</td>
<td>49</td>
<td>D0</td>
<td>04</td>
<td>00</td>
<td>10</td>
<td>00</td>
<td>B4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 61 6E 64 20 32 A8 07 41 54 2B 43 4D
61 6E 64 20 32 A8 07 41 54 2B 43 4D
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 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:

- 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.
- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC →</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Terminal</td>
<td>4.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal →</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UICC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC →</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 4.1.1</td>
<td>Alpha identifier, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td></td>
<td>Terminal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Terminal →</td>
<td>Display &quot;ЗДРАВСТВУЙТЕ&quot; &quot;Hello&quot; in Russian.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>USER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Terminal →</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 4.1.1</td>
<td>Command performed successfully, AT Response</td>
</tr>
<tr>
<td></td>
<td>UICC</td>
<td></td>
<td>containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>21</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
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<td>22</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>15</td>
<td>A8</td>
<td>07</td>
<td>41</td>
<td>54</td>
<td>2B</td>
<td>43</td>
<td>47</td>
<td>4D</td>
<td>49</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A9</td>
<td>LL</td>
<td>XX</td>
<td>...</td>
<td>...</td>
<td>XX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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.
- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 5.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 5.1.1</td>
<td>Alpha identifier, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display &quot;你好&quot;</td>
<td>&quot;Hello&quot; in Chinese.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 5.1.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>34</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A9</td>
<td>LL</td>
<td>XX</td>
<td>...</td>
<td>...</td>
<td>XX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

27.22.4.23.5.5  Test requirement

The Terminal shall operate in the manner defined in expected sequence 4.1.

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:

- 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.
- 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.
Expected Sequence 6.1 (RUN AT COMMAND, alpha identifier presented coded with UCS2 in Katakana, request Terminal Manufacturer ID)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: RUN AT COMMAND 6.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: RUN AT COMMAND 6.1.1</td>
<td>Alpha identifier, request Terminal Manufacturer ID.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “80/ľ”</td>
<td>“80Test” in Katakana.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: RUN AT COMMAND 6.1.1</td>
<td>Command performed successfully, AT Response containing Terminal Manufacturer ID.</td>
</tr>
</tbody>
</table>

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/ľ"

AT Command
- AT Command string: "AT+CGMI"

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>07 80 00 38 00 30 30 EB A8 07 41 54</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2B 43 47 4D 49</td>
</tr>
</tbody>
</table>

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 Manufacturer ID
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

27.22.4.24.1 SEND DTMF (Normal)

27.22.4.24.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.24.1.2 Conformance requirement
The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2 and 8.44.

27.22.4.24.1.3 Test purpose
To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.
To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.
To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".
To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.
To verify that if an alpha identifier is provided by the UICC and is a null data object the Terminal does not give any information to the user on the fact that the Terminal is performing a SEND DTMF command.

27.22.4.24.1.4.1 Initial conditions
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.1.5 Test requirement
Not Applicable.

27.22.4.24.2 SEND DTMF (Display of icons)

27.22.4.24.2.1 Definition and applicability
See clause 3.2.2.

27.22.4.24.2.2 Conformance requirement
The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44, 8.31 and 6.5.4.
27.22.4.24.2.3 Test purpose
To verify that after a call has been successfully established the Terminal send the DTMF string contained in the SEND
DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE
command sent to the UICC.

To verify that the Terminal do not locally generate audible DTMF tones and play them to the user.

To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.

To verify that the Terminal displays the icons which are referred to in the contents of the SEND DTMF proactive UICC
command.

27.22.4.24.2.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.2.5 Test requirement
Not Applicable.

27.22.4.24.3 SEND DTMF (UCS2 support)

27.22.4.24.3.1 Definition and applicability
See clause 3.2.2.

27.22.4.24.3.2 Conformance requirement
The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2 and 8.44.

Additionally the Terminal shall support the UCS2 facility for the coding of the UCS2 alphabet, as defined in:

- ISO/IEC 10646 [2]

27.22.4.24.3.3 Test purpose
To verify that the Terminal displays the UCS2 text contained in the SEND DTMF proactive UICC command, and
returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.24.3.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.12.2.5 Test requirement
Not Applicable.

27.22.4.24.4 SEND DTMF (support of Text Attribute)

27.22.4.24.4.1 SEND DTMF (support of Text Attribute - Left Alignment)

27.22.4.24.4.1.1 Definition and applicability
See clause 3.2.2.
27.22.4.24.4.1.2 Conformance requirement

The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

27.22.4.24.4.1.3 Test purpose

To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.

To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call”.

To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.

To verify that the Terminal displays the alpha identifier according to the left alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.1.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.4.1.5 Test requirement

Not Applicable.

27.22.4.24.4.2 SEND DTMF (support of Text Attribute - Center Alignment)

27.22.4.24.4.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.2.2 Conformance requirement

The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

27.22.4.24.4.2.3 Test purpose

To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.

To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call”.

To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.

To verify that the Terminal displays the alpha identifier according to the center alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.2.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.
27.22.4.24.4.2.5 Test requirement
Not Applicable.

27.22.4.24.4.3 SEND DTMF (support of Text Attribute - Right Alignment)
27.22.4.24.4.3.1 Definition and applicability
See clause 3.2.2.

27.22.4.24.4.3.2 Conformance requirement
The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

27.22.4.24.4.3.3 Test purpose
To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.
To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.
To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".
To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.
To verify that the Terminal displays the alpha identifier according to the right alignment text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.3.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.4.3.5 Test requirement
Not Applicable.

27.22.4.24.4 SEND DTMF (support of Text Attribute - Large Font Size)
27.22.4.24.4.1 Definition and applicability
See clause 3.2.2.

27.22.4.24.4.2 Conformance requirement
The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:
- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

27.22.4.24.4.3 Test purpose
To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.
To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.
To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".
To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.
To verify that the Terminal displays the alpha identifier according to the large font size text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

**27.22.4.24.4.4 Method of test**
The test method is not defined in the present document as it depends on a present NAA.

**27.22.4.24.4.5 Test requirement**
Not Applicable.

**27.22.4.24.5 SEND DTMF (support of Text Attribute - Small Font Size)**

**27.22.4.24.5.1 Definition and applicability**
See clause 3.2.2.

**27.22.4.24.5.2 Conformance requirement**
The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

**27.22.4.24.5.3 Test purpose**
To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.
To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.
To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".
To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.
To verify that the Terminal displays the alpha identifier according to the small font size text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

**27.22.4.24.5.4 Method of test**
The test method is not defined in the present document as it depends on a present NAA.

**27.22.4.24.5.5 Test requirement**
Not Applicable.

**27.22.4.24.6 SEND DTMF (support of Text Attribute - Bold On)**

**27.22.4.24.6.1 Definition and applicability**
See clause 3.2.2.

**27.22.4.24.6.2 Conformance requirement**
The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.
27.22.4.24.4.6.3 Test purpose

To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.

To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.

To verify that the Terminal displays the alpha identifier according to the bold text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.6.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.4.6.5 Test requirement

Not Applicable.

27.22.4.24.4.7 SEND DTMF (support of Text Attribute - Italic On)

27.22.4.24.4.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.7.2 Conformance requirement

The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

27.22.4.24.4.7.3 Test purpose

To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.

To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.

To verify that the Terminal displays the alpha identifier according to the italic text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.7.4 Method of test

27.22.4.24.4.7.4.1 Initial conditions

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.4.7.5 Test requirement

Not Applicable.
27.22.4.24.4.8 SEND DTMF (support of Text Attribute - Underline On)

27.22.4.24.4.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.8.2 Conformance requirement

The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

27.22.4.24.4.8.3 Test purpose

To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.

To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.

To verify that the Terminal displays the alpha identifier according to the underline text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.8.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.4.8.5 Test requirement

Not Applicable.

27.22.4.24.4.9 SEND DTMF (support of Text Attribute - Strikethrough On)

27.22.4.24.4.9.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.9.2 Conformance requirement

The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

27.22.4.24.4.9.3 Test purpose

To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.

To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE '20' with the additional information "Not in speech call".

To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.

To verify that the Terminal displays the alpha identifier according to the strikethrough text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.
27.22.4.24.4.9.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.4.9.5 Test requirement

Not Applicable.

27.22.4.24.4.10 SEND DTMF (support of Text Attribute - Foreground and Background Colour)

27.22.4.24.4.10.1 Definition and applicability

See clause 3.2.2.

27.22.4.24.4.10.2 Conformance requirement

The Terminal shall support the Proactive UICC: Send DTMF facility as defined in:

- TS 102 223 [1], clauses 6.1, 6.4.24, 6.6.24, 8.12.2, 5.2, 8.6, 8.7, 8.2, 8.44 and 8.70.

27.22.4.24.4.10.3 Test purpose

To verify that after a call has been successfully established the Terminal sends the DTMF string contained in the SEND DTMF proactive UICC command to the network, and returns a successful response in the TERMINAL RESPONSE command sent to the UICC.

To verify that the Terminal does not locally generate audible DTMF tones and play them to the user.

To verify that if the Terminal is in idle mode it informs the UICC using TERMINAL RESPONSE ‘20’ with the additional information "Not in speech call".

To verify that the Terminal displays the text contained in the SEND DTMF proactive UICC command.

To verify that the Terminal displays the alpha identifier according to the foreground and background colour text attribute configuration which are referred to in the contents of the SEND DTMF proactive UICC command.

27.22.4.24.4.10.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.24.4.10.5 Test requirement

Not Applicable.

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.

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: LANGUAGE NOTIFICATION 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.1.1</td>
<td>Language specified in the command is different from the one set on the Terminal.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td>Language of Terminal may have been replaced by the one specified in LANGUAGE NOTIFICATION 1.1.1</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: LANGUAGE NOTIFICATION 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.1.1</td>
<td>Language specified in the command is different from the one set on the Terminal.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: LANGUAGE NOTIFICATION 1.2.1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: LANGUAGE NOTIFICATION 1.2.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: LANGUAGE NOTIFICATION 1.2.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE UICC SESSION ENDED</td>
<td>Check that initial language is set.</td>
</tr>
</tbody>
</table>

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

27.22.4.26.1 LAUNCH BROWSER (No session already launched)

27.22.4.26.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.26.1.2 Conformance requirements
The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:
- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15 and 8.31.

27.22.4.26.1.3 Test purpose
To verify that when the Terminal is in idle state, it launches properly the browser session required in LAUNCH BROWSER, and returns a successful result in the TERMINAL RESPONSE command.

27.22.4.26.1.4 Method of test

27.22.4.26.1.4.1 Initial conditions
The Terminal is connected to the UICC Simulator and the NAA SS.
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.
A valid access to 2 different Wap gateways is required:
- the default browser parameters (IP address, gateway/proxy identity, called number, URL …) of the tested Terminal shall be properly filled to access one of the gateways ("default gateway")
With that default gateway we shall be able to access to an URL different from the default one.
- another gateway with an IP address different from the one defined in default browser parameters.
The Terminal is in idle mode.

27.22.4.26.1.4.2 Procedure

Expected Sequence 1.1 (LAUNCH BROWSER, connect to the default URL)
The test method is not defined in the present document as it depends on a present NAA.
Expected Sequence 1.2 (LAUNCH BROWSER, connect to the specified URL, alpha identifier length=0)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.3 (LAUNCH BROWSER, Browser identity, no alpha identifier)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.4 (LAUNCH BROWSER, only GPRS bearer specified and gateway/proxy identity, GPRS supported by SS)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.5A (LAUNCH BROWSER, two bearers GPRS, CSD specified and activated at SS and Terminal, gateway/proxy id specified)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.5B (LAUNCH BROWSER, two bearers GPRS, CSD specified and activated at SS, only CSD supported and activated by the Terminal, gateway/proxy id specified)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.5C (LAUNCH BROWSER, only CSD bearer specified and activated at SS, GPRS and CSD supported and activated by the Terminal, gateway/proxy id specified)
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.1.5 Test Requirement
Not Applicable.

27.22.4.26.2 LAUNCH BROWSER (Interaction with current session)

27.22.4.26.2.1 Definition and applicability
See clause 3.2.2.

27.22.4.26.2.2 Conformance requirements
The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:
- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 82.2, 8.47, optional clauses 8.49, 8.50, 8.15 and 8.31.

27.22.4.26.2.3 Test purpose
To verify that when the Terminal is already busy in a browser session, it launches properly the browser session required in LAUNCH BROWSER, and returns a successful result in the TERMINAL RESPONSE.

27.22.4.26.2.4 Method of test

27.22.4.26.2.4.1 Initial conditions
The Terminal is connected to the UICC Simulator and the NAA SS.
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.
A valid access to a Wap gateway is required. The default browser parameters (IP address, gateway/proxy identity, called number…) of the tested Terminal shall be properly filled to access that gateway.
The Terminal is busy in a browser session, the user navigates in pages different from the URL defined by default in browser parameters.

27.22.4.26.2.4.2 Procedure

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.2.5 Test Requirement

Not Applicable.

27.22.4.26.3 LAUNCH BROWSER (UCS2 display in Cyrillic)

27.22.4.26.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.3.2 Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive USIM Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, optional clauses 8.49, 8.50, 8.15 and 8.31.

Additionally the Terminal shall support the UCS2 facility for the coding of the Cyrillic alphabet, as defined in:

- ISO/IEC 10646 [2].

27.22.4.26.3.3 Test purpose

To verify that the Terminal performs a proper user confirmation with an USC2 alpha identifier, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.3.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.3.5 Test Requirement

Not Applicable.

27.22.4.26.4 LAUNCH BROWSER (icons support)

27.22.4.26.4.1 Definition and applicability

See clause 3.2.2.
Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, optional clauses 8.49, 8.50, 8.15 and 8.31.

Test purpose

To verify that the Terminal performs a proper user confirmation with an icon identifier, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

Method of test

The test method is not defined in the present document as it depends on a present NAA.

Test Requirement

Not Applicable.

LAUNCH BROWSER (support of Text Attribute)

Definition and applicability

See clause 3.2.2.

Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

Test purpose

To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the left alignment text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

Method of test

The test method is not defined in the present document as it depends on a present NAA.

Test Requirement

Not Applicable.

LAUNCH BROWSER (support of Text Attribute - Center Alignment)

Definition and applicability

See clause 3.2.2.
27.22.4.26.5.2.2 Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

27.22.4.26.5.2.3 Test purpose

To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the center alignment text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.2.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.2.5 Test Requirement

Not Applicable.

27.22.4.26.5.3 LAUNCH BROWSER (support of Text Attribute - Right Alignment)

27.22.4.26.5.3.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.3.2 Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

27.22.4.26.5.3.3 Test purpose

To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the right alignment text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.3.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.3.5 Test Requirement

Not Applicable.

27.22.4.26.5.4 LAUNCH BROWSER (support of Text Attribute - Large Font Size)

27.22.4.26.5.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.4.2 Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.
27.22.4.26.5.4.3 Test purpose

To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the large font size text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.4.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.4.5 Test Requirement

Not Applicable.

27.22.4.26.5.5 LAUNCH BROWSER (support of Text Attribute - Small Font Size)

27.22.4.26.5.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.5.2 Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

27.22.4.26.5.5.3 Test purpose

To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the small font size text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.5.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.5.5 Test Requirement

Not Applicable.

27.22.4.26.5.6 LAUNCH BROWSER (support of Text Attribute - Bold on)

27.22.4.26.5.6.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.5.6.2 Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

27.22.4.26.5.6.3 Test purpose

To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the bold text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.
27.22.4.26.5.6.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.6.5 Test Requirement
Not Applicable.

27.22.4.26.5.7 LAUNCH BROWSER (support of Text Attribute - Italic On)

27.22.4.26.5.7.1 Definition and applicability
See clause 3.2.2.

27.22.4.26.5.7.2 Conformance requirements
The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:
- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

27.22.4.26.5.7.3 Test purpose
To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the italic text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.7.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.7.5 Test Requirement
Not Applicable.

27.22.4.26.5.8 LAUNCH BROWSER (support of Text Attribute - Underline On)

27.22.4.26.5.8.1 Definition and applicability
See clause 3.2.2.

27.22.4.26.5.8.2 Conformance requirements
The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:
- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

27.22.4.26.5.8.3 Test purpose
To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the underline text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.8.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.8.5 Test Requirement
Not Applicable.
27.22.4.26.5.9  LAUNCH BROWSER (support of Text Attribute - Strikethrough On)

27.22.4.26.5.9.1  Definition and applicability

See clause 3.2.2.

27.22.4.26.5.9.2  Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

27.22.4.26.5.9.3  Test purpose

To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the strikethrough text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.9.4  Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.9.5  Test Requirement

Not Applicable.

27.22.4.26.5.10  LAUNCH BROWSER (support of Text Attribute - Foreground and Background Colour)

27.22.4.26.5.10.1  Definition and applicability

See clause 3.2.2.

27.22.4.26.5.10.2  Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, 8.49, 8.50, 8.15, 8.31 and 8.70.

27.22.4.26.5.10.3  Test purpose

To verify that the Terminal performs a proper user confirmation with an alpha identifier according to the foreground and background colour text attribute configuration, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.26.5.10.4  Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.5.10.5  Test Requirement

Not Applicable.

27.22.4.26.6  LAUNCH BROWSER (UCS2 display in Chinese)

27.22.4.26.6.1  Definition and applicability

See clause 3.2.2.
27.22.4.26.6.2 Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive USIM Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, optional clauses 8.49, 8.50, 8.15 and 8.31.

Additionally the Terminal shall support the UCS2 facility for the coding of the Chinese characters, as defined in:

- ISO/IEC 10646 [2].

27.22.4.26.6.3 Test purpose

To verify that the Terminal performs a proper user confirmation with an USC2 alpha identifier, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.26.6.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.6.5 Test Requirement

Not Applicable.

27.22.4.26.7 LAUNCH BROWSER (UCS2 display in Katakana)

27.22.4.26.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.26.7.2 Conformance requirements

The Terminal shall support the LAUNCH BROWSER Proactive USIM Command as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.26 and 6.6.26, 8.6, 8.7, 8.48, 9.2, 8.2, 8.47, optional clauses 8.49, 8.50, 8.15 and 8.31.

Additionally the Terminal shall support the UCS2 facility for the coding of the Katakana characters, as defined in:

- ISO/IEC 10646 [2].

27.22.4.26.7.3 Test purpose

To verify that the Terminal performs a proper user confirmation with an USC2 alpha identifier, launches the browser session required in LAUNCH BROWSER and returns a successful result in the TERMINAL RESPONSE command sent to the UICC.

27.22.4.26.7.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.26.7.5 Test Requirement

Not Applicable.
27.22.4.27 OPEN CHANNEL

27.22.4.27.1 Open Channel (related to CSD)

27.22.4.27.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.1.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.27 and 6.6.27, 8.6, 8.7, 9.2, 8.2, 8.15, 8.31 and 8.70.

27.22.4.27.1.3 Test purpose

To verify that the Terminal shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (Network currently unable to process command);
- TERMINAL RESPONSE (Bearer Independent Protocol error);
- TERMINAL RESPONSE (Terminal currently unable to process command);

to the UICC after the Terminal receives the OPEN CHANNEL proactive command. The TERMINAL RESPONSE sent back to the UICC is function of the Terminal and the network capabilities against asked parameters by the UICC.

27.22.4.27.1.4 Method of test

27.22.4.27.1.4.1 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.

27.22.4.27.1.4.2 Procedure

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.3 (OPEN CHANNEL, immediate link establishment, CSD, 9600bps V.120)

The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.4 (OPEN CHANNEL, immediate link establishment, CSD, 9600bps V.110 or X.31 flag stuffing, bearer asynchronous UDI)

The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.5 (OPEN CHANNEL, immediate link establishment, CSD, 9600bps V.32, bearer asynchronous RDI)

The test method is not defined in the present document as it depends on a present NAA.
Expected Sequence 1.6 (OPEN CHANNEL, immediate link establishment, CSD, 9600bps V.32, bearer asynchronous)

The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.7 (OPEN CHANNEL, immediate link establishment, CSD, 9600 bps, performed with modification)

The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.8 (OPEN CHANNEL, immediate link establishment, CSD, Network currently unable to process command)

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.1.5 Test Requirement

Not Applicable.

27.22.4.27.2 Open Channel (related to GPRS)

27.22.4.27.2.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.2.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1], clauses 5.2, clauses 6.4.27 and 6.6.27, 8.6, 8.7, 9.2, 8.2, 8.15, 8.31 and 8.70.

27.22.4.27.2.3 Test purpose

To verify that the Terminal shall send a:

- TERMINAL RESPONSE (OK); or
- TERMINAL RESPONSE (Command performed with modification); or
- TERMINAL RESPONSE (User did not accept the proactive command); or
- TERMINAL RESPONSE (Terminal currently unable to process command);

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 and the network capabilities against requested parameters by the UICC.

27.22.4.27.2.4 Method of test

27.22.4.27.2.4.1 Initial conditions

The 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 Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services.
Expected Sequence 2.1 (OPEN CHANNEL, immediate link establishment, GPRS, no local address, no alpha identifier, no network access name)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 2.2 (OPEN CHANNEL, immediate link establishment GPRS, no alpha identifier, with network access name)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 2.3 (OPEN CHANNEL, immediate link establishment, GPRS, with alpha identifier)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 2.4 (OPEN CHANNEL, immediate link establishment, GPRS, with null alpha identifier)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 2.5 (OPEN CHANNEL, immediate link establishment, GPRS, command performed with modifications (buffer size))
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 2.6 Void

Expected Sequence 2.7 (OPEN CHANNEL, immediate link establishment, GPRS, open command with alpha identifier, User did not accept the proactive command)
The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 2.8 (OPEN CHANNEL, immediate link establishment, GPRS, Terminal busy on call)
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.2.5 Test requirement
Not Applicable.

27.22.4.27.3 Open Channel (default bearer)
TBD.

27.22.4.27.4 Open Channel (Local Bearer)
TBD.

27.22.4.27.5 Open Channel (GPRS, support of Text Attribute)

27.22.4.27.5.1 Open Channel (GPRS, support of Text Attribute - Left Alignment)

27.22.4.27.5.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.27.5.1.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].
27.22.4.27.5.1.3 Test purpose
To verify that the Terminal displays an alpha identifier according to the left alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.1.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.1.5 Test Requirement
Not Applicable.

27.22.4.27.5.2 Open Channel (GPRS, support of Text Attribute - Center Alignment)

27.22.4.27.5.2.1 Definition and applicability
See clause 3.2.2.

27.22.4.27.5.2.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.27.5.2.3 Test purpose
To verify that the Terminal displays an alpha identifier according to the center alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.2.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.2.5 Test Requirement
Not Applicable.

27.22.4.27.5.3 Open Channel (GPRS, support of Text Attribute - Right Alignment)

27.22.4.27.5.3.1 Definition and applicability
See clause 3.2.2.

27.22.4.27.5.3.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.27.5.3.3 Test purpose
To verify that the Terminal displays an alpha identifier according to the right alignment text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.3.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.
27.22.4.27.5.3.5 Test Requirement
Not Applicable.

27.22.4.27.5.4 Open Channel (GPRS, support of Text Attribute - Large Font Size)
27.22.4.27.5.4.1 Definition and applicability
See clause 3.2.2.

27.22.4.27.5.4.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.27.5.4.3 Test purpose
To verify that the Terminal displays an alpha identifier according to the large font size text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.4.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.4.5 Test Requirement
Not Applicable.

27.22.4.27.5.5 Open Channel (GPRS, support of Text Attribute - Small Font Size)
27.22.4.27.5.5.1 Definition and applicability
See clause 3.2.2.

27.22.4.27.5.5.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.27.5.5.3 Test purpose
To verify that the Terminal displays an alpha identifier according to the small font size text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.5.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.5.5 Test Requirement
Not Applicable.

27.22.4.27.5.6 Open Channel (GPRS, support of Text Attribute - Bold On)
27.22.4.27.5.6.1 Definition and applicability
See clause 3.2.2.
27.22.4.27.5.6.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.27.5.6.3 Test purpose

To verify that the Terminal displays an alpha identifier according to the bold text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.6.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.6.5 Test Requirement

Not Applicable.

27.22.4.27.5.7 Open Channel (GPRS, support of Text Attribute - Italic On)

27.22.4.27.5.7.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.7.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.27.5.7.3 Test purpose

To verify that the Terminal displays an alpha identifier according to the italic text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.7.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.7.5 Test Requirement

Not Applicable.

27.22.4.27.5.8 Open Channel (GPRS, support of Text Attribute - Underline On)

27.22.4.27.5.8.1 Definition and applicability

See clause 3.2.2.

27.22.4.27.5.8.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.27.5.8.3 Test purpose

To verify that the Terminal displays an alpha identifier according to the underline text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.
27.22.4.27.5.8.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.8.5 Test Requirement
Not Applicable.

27.22.4.27.5.9 Open Channel (GPRS, support of Text Attribute - Strikethrough On)

27.22.4.27.5.9.1 Definition and applicability
See clause 3.2.2.

27.22.4.27.5.9.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.27.5.9.3 Test purpose
To verify that the Terminal displays an alpha identifier according to the strikethrough text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.9.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.9.5 Test Requirement
Not Applicable.

27.22.4.27.5.10 Open Channel (GPRS, support of Text Attribute - Foreground and Background Colour)

27.22.4.27.5.10.1 Definition and applicability
See clause 3.2.2.

27.22.4.27.5.10.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.27.5.10.3 Test purpose
To verify that the Terminal displays an alpha identifier according to the foreground and background colour text attribute configuration in OPEN CHANNEL and returns a successful result in the TERMINAL RESPONSE command send to the UICC.

27.22.4.27.5.10.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.27.5.10.5 Test Requirement
Not Applicable.
27.22.4.28 CLOSE CHANNEL

27.22.4.28.1 CLOSE CHANNEL(normal)

27.22.4.28.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.28.1.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.28.1.3 Test purpose
To verify that the Terminal shall send a:
- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

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 and the network capabilities against asked parameters by the UICC.

27.22.4.28.1.4 Method of Test

27.22.4.28.1.4.1 Initial conditions
The 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.

For Terminals supporting BIP related to CSD (i.e. condition C113 in table B.1), the PROACTIVE COMMAND: OPEN CHANNEL 1.1.1A shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A.

For Terminals supporting BIP related to GPRS in UDP (i.e. condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1B shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services.

27.22.4.28.1.4.2 Procedure

Expected sequence 1.1 (CLOSE CHANNEL, successful)
The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.2 (CLOSE CHANNEL, with an invalid channel identifier)
The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.3 (CLOSE CHANNEL, on an already closed channel)
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.1A Test requirement
Not Applicable.
27.22.4.28.2   CLOSE CHANNEL (support of Text Attribute)

27.22.4.28.2.1   CLOSE CHANNEL (support of Text Attribute - Left Alignment)

27.22.4.28.2.1.1   Definition and applicability

See clause 3.2.2.

27.22.4.28.2.1.2   Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.28.2.1.3   Test purpose

To verify that the Terminal shall display the alpha identifier according to the left alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.1.4   Method of Test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.1.5   Test Requirement

Not Applicable.

27.22.4.28.2.2   CLOSE CHANNEL (support of Text Attribute - Center Alignment)

27.22.4.28.2.2.1   Definition and applicability

See clause 3.2.2.

27.22.4.28.2.2.2   Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.28.2.2.3   Test purpose

To verify that the Terminal shall display the alpha identifier according to the center alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.2.4   Method of Test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.2.5   Test Requirement

Not Applicable.

27.22.4.28.2.3   CLOSE CHANNEL (support of Text Attribute - Right Alignment)

27.22.4.28.2.3.1   Definition and applicability

See clause 3.2.2.
27.22.4.28.2.3.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.28.2.3.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the right alignment text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.3.4 Method of Test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.3.5 Test Requirement
Not Applicable.

27.22.4.28.2.4 CLOSE CHANNEL (support of Text Attribute - Large Font Size)

27.22.4.28.2.4.1 Definition and applicability
See clause 3.2.2.

27.22.4.28.2.4.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.28.2.4.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the large font size text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.4.4 Method of Test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.4.5 Test Requirement
Not Applicable.

27.22.4.28.2.5 CLOSE CHANNEL (support of Text Attribute - Small Font Size)

27.22.4.28.2.5.1 Definition and applicability
See clause 3.2.2.

27.22.4.28.2.5.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].
27.22.4.28.2.5.3  Test purpose

To verify that the Terminal shall display the alpha identifier according to the small font size text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.5.4  Method of Test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.5.5  Test Requirement

Not Applicable.

27.22.4.28.2.6  CLOSE CHANNEL (support of Text Attribute - Bold On)

27.22.4.28.2.6.1  Definition and applicability

See clause 3.2.2.

27.22.4.28.2.6.2  Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.28.2.6.3  Test purpose

To verify that the Terminal shall display the alpha identifier according to the bold text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.6.4  Method of Test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.6.5  Test Requirement

Not Applicable.

27.22.4.28.2.7  CLOSE CHANNEL (support of Text Attribute - Italic On)

27.22.4.28.2.7.1  Definition and applicability

See clause 3.2.2.

27.22.4.28.2.7.2  Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.28.2.7.3  Test purpose

To verify that the Terminal shall display the alpha identifier according to the italic text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.7.4  Method of Test

The test method is not defined in the present document as it depends on a present NAA.
27.22.4.28.2.7.5 Test Requirement
Not Applicable.

27.22.4.28.2.8 CLOSE CHANNEL (support of Text Attribute - Underline On)
27.22.4.28.2.8.1 Definition and applicability
See clause 3.2.2.

27.22.4.28.2.8.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.28.2.8.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the underline text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.8.4 Method of Test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.8.5 Test Requirement
Not Applicable.

27.22.4.28.2.9 CLOSE CHANNEL (support of Text Attribute - Strikethrough On)
27.22.4.28.2.9.1 Definition and applicability
See clause 3.2.2.

27.22.4.28.2.9.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.28.2.9.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the strikethrough text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.9.4 Method of Test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.9.5 Test Requirement
Not Applicable.
27.22.4.28.2.10  CLOSE CHANNEL (support of Text Attribute - Foreground and Background Colour)

27.22.4.28.2.10.1  Definition and applicability

See clause 3.2.2.

27.22.4.28.2.10.2  Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.28.2.10.3  Test purpose

To verify that the Terminal shall display the alpha identifier according to the foreground and background colour text attribute configuration in the CLOSE CHANNEL proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.28.2.10.4  Method of Test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.28.2.10.5  Test Requirement

Not Applicable.

27.22.4.29  RECEIVE DATA

27.22.4.29.1  RECEIVE DATA (NORMAL)

27.22.4.29.1.1  Definition and applicability

See clause 3.2.2.

27.22.4.29.1.2  Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.29.1.3  Test purpose

To verify that the Terminal shall send a:

- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Terminal currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.1A  Test requirement

Not Applicable.
27.22.4.29.2 RECEIVE DATA (support of Text Attribute)

27.22.4.29.2.1 RECEIVE DATA (support of Text Attribute - Left Alignment)

27.22.4.29.2.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.29.2.1.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.29.2.1.3 Test purpose

To verify that the Terminal shall display the alpha identifier according to the left alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.1.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.1.5 Test Requirement

Not Applicable.

27.22.4.29.2.2 RECEIVE DATA (support of Text Attribute - Center Alignment)

27.22.4.29.2.2.1 Definition and applicability
See clause 3.2.2.

27.22.4.29.2.2.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.29.2.2.3 Test purpose

To verify that the Terminal shall display the alpha identifier according to the center alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.2.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.2.5 Test Requirement

Not Applicable.

27.22.4.29.2.3 RECEIVE DATA (support of Text Attribute - Right Alignment)

27.22.4.29.2.3.1 Definition and applicability
See clause 3.2.2.
27.22.4.29.2.3.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.29.2.3.3 Test purpose

To verify that the Terminal shall display the alpha identifier according to the right alignment text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.3.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.3.5 Test Requirement

Not Applicable.

27.22.4.29.2.4 RECEIVE DATA (support of Text Attribute - Large Font Size)

27.22.4.29.2.4.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.4.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.29.2.4.3 Test purpose

To verify that the Terminal shall display the alpha identifier according to the large font size text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.4.4 Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.4.5 Test Requirement

Not Applicable.

27.22.4.29.2.4.5 RECEIVE DATA (support of Text Attribute - Small Font Size)

27.22.4.29.2.5.1 Definition and applicability

See clause 3.2.2.

27.22.4.29.2.5.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].
27.22.4.29.2.5.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to small font size the text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.5.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.5.5 Test Requirement
Not Applicable.

27.22.4.29.2.6 RECEIVE DATA (support of Text Attribute - Bold On)
27.22.4.29.2.6.1 Definition and applicability
See clause 3.2.2.

27.22.4.29.2.6.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.29.2.6.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the bold text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.6.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.6.5 Test Requirement
Not Applicable.

27.22.4.29.2.7 RECEIVE DATA (support of Text Attribute - Italic On)
27.22.4.29.2.7.1 Definition and applicability
See clause 3.2.2.

27.22.4.29.2.7.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.29.2.7.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the italic text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.7.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.
27.22.4.29.2.7.5 Test Requirement
Not Applicable.

27.22.4.29.2.8 RECEIVE DATA (support of Text Attribute - Underline On)
27.22.4.29.2.8.1 Definition and applicability
See clause 3.2.2.

27.22.4.29.2.8.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
• TS 102 223 [1].

27.22.4.29.2.8.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the underline text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.8.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.8.5 Test Requirement
Not Applicable.

27.22.4.29.2.9 RECEIVE DATA (support of Text Attribute - Strikethrough On)
27.22.4.29.2.9.1 Definition and applicability
See clause 3.2.2.

27.22.4.29.2.9.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
• TS 102 223 [1].

27.22.4.29.2.9.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the strikethrough text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.9.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.9.5 Test Requirement
Not Applicable.
27.22.4.29.2.10 RECEIVE DATA (support of Text Attribute - Foreground and Background Colour)

27.22.4.29.2.10.1 Definition and applicability
See clause 3.2.2.

27.22.4.29.2.10.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.29.2.10.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the foreground and background colour text attribute configuration in the RECEIVE DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.29.2.10.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.29.2.10.5 Test Requirement
Not Applicable.

27.22.4.30 SEND DATA

27.22.4.30.1 SEND DATA (normal)

27.22.4.30.1.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.1.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.30.1.3 Test purpose
To verify that the Terminal shall send a:
- TERMINAL RESPONSE (Command Performed Successfully); or
- TERMINAL RESPONSE (Terminal currently unable to process command); or
- TERMINAL RESPONSE (Bearer Independent Protocol Error);
- TERMINAL RESPONSE (Proactive SIM session terminated by the user);

to the UICC after the Terminal receives the SEND DATA proactive command. The TERMINAL RESPONSE sent back to the UICC is the result of the Terminal and the network capabilities against requested parameters by the UICC.

27.22.4.30.1.4 Method of test

27.22.4.30.1.4.1 Initial conditions
The 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.

For Terminals supporting BIP related to CSD (i.e. condition C113 in table B.1), the PROACTIVE COMMAND: OPEN CHANNEL 1.1.1A shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A.

For Terminals supporting BIP related to GPRS in UDP (i.e. condition C121 in table B.1), The PROACTIVE COMMAND: OPEN CHANNEL 1.1.1B shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Bearer Parameters used are those defined in the default Test PDP context for test cases using packet services.

27.22.4.30.1.4.2 Procedure

Expected sequence 1.1 (SEND DATA, immediate mode)

The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.2 (SEND DATA, Store mode)

The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.3 (SEND DATA, Store mode, Tx buffer fully used)

The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.4 (SEND DATA, 2 consecutive SEND DATA Store mode)

The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.5 (SEND DATA, immediate mode with a bad channel identifier)

The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.6 (SEND DATA, immediate mode, Proactive UICC session terminated by the user)

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.1.5 Test requirement

Not Applicable.

27.22.4.30.2 SEND DATA (support of Text Attribute)

27.22.4.30.2.1 SEND DATA (support of Text Attribute - Left Alignment)

27.22.4.30.2.1.1 Definition and applicability

See clause 3.2.2.

27.22.4.30.2.1.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.30.2.1.3 Test purpose

To verify that the Terminal shall display the alpha identifier according to the left alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.
27.22.4.30.2.1.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.1.5 Test Requirement
Not Applicable.

27.22.4.30.2.2 SEND DATA (support of Text Attribute - Center Alignment)

27.22.4.30.2.2.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.2.2.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.30.2.2.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the center alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.2.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.2.5 Test Requirement
Not Applicable.

27.22.4.30.2.3 SEND DATA (support of Text Attribute - Right Alignment)

27.22.4.30.2.3.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.2.3.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.30.2.3.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the right alignment text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.3.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.3.5 Test Requirement
Not Applicable.
27.22.4.30.2.4 SEND DATA (support of Text Attribute - Large Font Size)

27.22.4.30.2.4.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.2.4.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.30.2.4.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the large font size text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.4.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.4.5 Test Requirement
Not Applicable.

27.22.4.30.2.5 SEND DATA (support of Text Attribute - Small Font Size)

27.22.4.30.2.5.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.2.5.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.30.2.5.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the small font size text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.5.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.5.5 Test Requirement
Not Applicable.

27.22.4.30.2.6 SEND DATA (support of Text Attribute - Bold On)

27.22.4.30.2.6.1 Definition and applicability
See clause 3.2.2.
27.22.4.30.2.6.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.30.2.6.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the bold text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.6.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.6.5 Test Requirement
Not Applicable.

27.22.4.30.2.7 SEND DATA (support of Text Attribute - Italic On)
27.22.4.30.2.7.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.2.7.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.30.2.7.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the italic text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.7.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.7.5 Test Requirement
Not Applicable.

27.22.4.30.2.8 SEND DATA (support of Text Attribute - Underline On)
27.22.4.30.2.8.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.2.8.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].
27.22.4.30.2.8.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the underline text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.8.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.8.5 Test Requirement
Not Applicable.

27.22.4.30.2.9 SEND DATA (support of Text Attribute - Strikethrough On)
27.22.4.30.2.9.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.2.9.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.30.2.9.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the strikethrough text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.9.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.4.30.2.9.5 Test Requirement
Not Applicable.

27.22.4.30.2.10 SEND DATA (support of Text Attribute - Foreground and Background Colour)
27.22.4.30.2.10.1 Definition and applicability
See clause 3.2.2.

27.22.4.30.2.10.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:
- TS 102 223 [1].

27.22.4.30.2.10.3 Test purpose
To verify that the Terminal shall display the alpha identifier according to the foreground and background colour text attribute configuration in the SEND DATA proactive command and send a TERMINAL RESPONSE (Command Performed Successfully) to the UICC.

27.22.4.30.2.10.4 Method of test
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 Definition and applicability

See clause 3.2.2.

27.22.4.31.2 Conformance requirements

The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

27.22.4.31.3 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 and the network capabilities against asked parameters by the UICC.

27.22.4.31.4 Method of test

27.22.4.31.4.1 Initial conditions

The 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.

For Terminals supporting BIP related to CSD (i.e. condition C113 in table B.1), the PROACTIVE COMMAND: OPEN CHANNEL 1.1.1A shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1A.

For Terminals supporting BIP related to GPRS in UDP (i.e. condition C121 in table B.1), the PROACTIVE COMMAND: OPEN CHANNEL 1.1.1B shall be executed to open a channel successfully at the beginning of the test. The corresponding Terminal Response shall be TERMINAL RESPONSE: OPEN CHANNEL 1.1.1B.

The Bearer Parameters used are those defined in the default Test PDP context3, for test cases using packet services.

27.22.4.31.4.2 Procedure

Expected sequence 1.1 (GET STATUS, without any BIP channel opened)

The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.2 (GET STATUS, with a BIP channel currently opened)

The test method is not defined in the present document as it depends on a present NAA.

Expected sequence 1.3 (GET STATUS, after a link dropped)

The test method is not defined in the present document as it depends on a present NAA.

27.22.4.31.5 Test requirement

Not Applicable.
27.22.5 Void

27.22.6 CALL CONTROL BY NAA

27.22.6.1 Procedure for Terminal Originated calls

27.22.6.1.1 Definition and applicability

See clause 3.2.2.

27.22.6.1.2 Conformance requirement

The Terminal shall support the CALL CONTROL facility as defined in:

- TS 102 223 [1], 7.3.

27.22.6.1.3 Test purpose

To verify that for all call set-up attempts, even those resulting from a SET UP CALL proactive UICC command, the Terminal shall first pass the call set-up details (dialed digits and associated parameters) to the UICC, using the ENVELOPE (CALL CONTROL).

To verify that if the UICC responds with '90 00', the Terminal shall set up the call with the dialed digits and other parameters as sent to the UICC.

To verify that if the UICC returns response data, the Terminal shall use the response data appropriately to the Terminal whether to set up the call as proposed, not set up the call or set up a call using the data supplied by the UICC.

To verify that, in the case where the initial call set-up request results from a proactive SET UP CALL, if the call control result is "not allowed" or "allowed with modifications", the Terminal shall inform the UICC using TERMINAL RESPONSE "interaction with call control by UICC or MO short message control by UICC, action not allowed".

To verify that it is possible for the UICC to request the Terminal to set up an emergency call by supplying the number "112" as the response data.

27.22.6.1.4 Method of tests

27.22.6.1.4.1 Initial conditions

The Terminal is connected to the UICC Simulator and NAA SS and has performed the location update procedure. Prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure. The elementary files are coded as Card Application Toolkit default with the following exception: the call control service is allocated and activated in the NAA Service Table.

27.22.6.1.4.2 Procedure

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.
Expected Sequence 1.3 B (CALL CONTROL BY NAA, set up call attempt resulting from a set up call proactive command, allowed without modification)

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.8 (CALL CONTROL BY NAA, set up call attempt by user, allowed with modifications: emergency call)

The test method is not defined in the present document as it depends on a present NAA.

Expected Sequence 1.9 (CALL CONTROL BY NAA, set up call attempt by user, allowed with modifications: number in UICC)

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.

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

The test method is not defined in the present document as it depends on a present NAA.
27.22.6.1.5 Test requirement
Not Applicable.

27.22.6.2 Void

27.22.6.3 Interaction with Fixed Dialling Number (FDN)

27.22.6.3.1 Definition and applicability
See clause 3.2.2.

27.22.6.3.2 Conformance requirement
The Terminal shall support the CALL CONTROL facility as defined in:
- TS 102 223 [1], 7.3.1.4.

27.22.6.3.3 Test purpose
To verify that the Terminal checks that the number entered through the MMI is on the FDN list.
To verify that, if the MMI input does not pass the FDN check, the call shall not be set up.
To verify that, if the MMI input does pass the FDN check, the Terminal shall pass the dialled digits and other parameters to the UICC, using the ENVELOPE (CALL CONTROL) command.
To verify that, if the UICC responds with "allowed, no modification", the Terminal shall set up the call as proposed.
To verify that, if the UICC responds with "not allowed", the Terminal shall not set up the call.
To verify that, if the UICC responds with "allowed with modifications", the Terminal shall set up the call in accordance with the response from the UICC. If the modifications involve changing the dialled digits, the Terminal shall not re-check this modified number against the FDN list.

27.22.6.3.4 Method of tests

27.22.6.3.4.1 Initial conditions
The Terminal is connected to the UICC Simulator and the NAA SS.
Prior to this test the Terminal shall have been powered on and performed the PROFILE DOWNLOAD procedure.
The elementary files are coded as Card Application Toolkit default with the following exceptions:
The call control service is allocated and activated in the NAA Service Table.
Fixed Dialling Number service is enabled.

27.22.6.3.4.2 Procedure
The test method is not defined in the present document as it depends on a present NAA.

27.22.6.3.5 Test requirement
Not Applicable.
27.22.6.4 Support of Barred Dialling Number (BDN) service

27.22.6.4.1 Definition and applicability

Barred Dialling Numbers (BDN) is a service defined for the UICC Application. An enabled BDN service results in call restrictions for the Terminal. The call restrictions are controlled by the Terminal. To ascertain the type of UICC Application and state of BDN the Terminal runs the BDN capability request procedure during UICC-Terminal initialization. At the time an emergency call is setup using the emergency call code read from the EF_{ECC}, the Rel-4+ Terminal shall use the category of the emergency service indicated.

27.22.6.4.2 Conformance requirement

1) Recognizing the state of the UICC Application (BDN enabled) the Terminal shall perform the UICC initialization procedure as specified.

2) The Terminal shall prevent call set-up to any number stored in EF_{BDN} if BDN service is enabled.

3) The Terminal shall allow call set-up to any number stored in EF_{BDN} if BDN service is disabled.

4) Any change to the EF_{BDN} or EF_{EST} does request PIN2.

5) The Terminal allows call set-up of an emergency call, even if this number is stored in the UICC.

27.22.6.4.3 Test purpose

1) To verify that the Terminal rejects call set-up to any number that has an entry in EF_{BDN} if BDN service is enabled.

2) To verify that the Terminal allows call set-up to any number not stored in EF_{BDN}.

3) To verify that the Terminal allows emergency call set-up even if the number is stored in EF_{BDN}.

4) To verify that the Rel-4+ Terminal reads correctly the emergency service category stored in EF_{ECC}.

5) To verify that, if the UICC responds with "not allowed", the Terminal does not set up the call.

6) To verify that, if the UICC responds with "allowed, no modification", the Terminal shall set up the call (or the supplementary service operation) as proposed.

7) To verify that, if the UICC responds with "allowed with modifications", the Terminal sets up the call in accordance with the response from the UICC. If the modifications involve changing the dialled number the Terminal does not re-check this modified number against the FDN list when FDN is enabled.

8) To verify that updating EF BDN or changing the status of BDN service shall be performed by the use of second application PIN only.

9) To verify that the Terminal allows call set up to a BDN number if BDN service is disabled.

27.22.6.4.4 Method of tests

27.22.6.4.4.1 Initial conditions

The Terminal is connected to the UICC Simulator and the NAA SS.

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

The elementary files are coded as Card Application Toolkit default with the following exceptions:

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

Barred Dialling Number service is enabled.
27.22.6.4.2 Procedure
The test method is not defined in the present document as it depends on a present NAA.

27.22.6.4.5 Test requirement
Not Applicable.

27.22.7 EVENT DOWNLOAD

27.22.7.1 MT Call Event

27.22.7.1.1 MT Call Event (normal)

27.22.7.1.1.1 Definition and applicability
See clause 3.2.2.

27.22.7.1.1.2 Conformance requirement
The Terminal shall support the EVENT: MT Call event as defined in:

- TS 102 223 [1], clauses 4.7, 5.2, 6.4.16, 6.8, 7.5, and 8.25.

27.22.7.1.1.3 Test purpose
To verify that the Terminal informs the UICC that an Event: MT Call has occurred using the ENVELOPE (EVENT DOWNLOAD - MT Call) command.

27.22.7.1.1.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.7.1.1.5 Test requirement
Not Applicable.

27.22.7.2 Call Connected Event

27.22.7.2.1 Call Connected Event (MT and MO call)

27.22.7.2.1.1 Definition and applicability
See clause 3.2.2.

27.22.7.2.1.2 Conformance requirement
The Terminal shall support the EVENT: Call Connected event as defined in:

- TS 102 223 [1], clauses 4.7, 5.2, 6.4.16, 6.8, 7.5, and 8.25.

27.22.7.2.1.3 Test purpose
To verify that the Terminal informs the UICC that an Event: Call Connected has occurred using the ENVELOPE (EVENT DOWNLOAD - Call Connected) command.

27.22.7.2.1.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.
27.22.7.2.2  Call Connected Event (Terminal supporting SET UP CALL)

27.22.7.2.2.1  Definition and applicability
See clause 3.2.2.

27.22.7.2.2.2  Conformance requirement
Additionally the Terminal shall support the SET UP CALL Proactive UICC Command as defined in:

- TS 102 223 [1], clauses 7.5, 6.4.13 and 6.6.12.

27.22.7.2.2.3  Test purpose
To verify that the Terminal informs the UICC that an Event: Call Connected has occurred using the ENVELOPE (EVENT DOWNLOAD -Call Connected) command.

27.22.7.2.2.4  Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.7.2.5  Test requirement
Not Applicable.

27.22.7.3  Call Disconnected Event

27.22.7.3.1  Call Disconnected Event

27.22.7.3.1.1  Definition and applicability
See clause 3.2.2.

27.22.7.3.1.2  Conformance requirement
The Terminal shall support the EVENT: Call Disconnected event as defined in:

- TS 102 223 [1], clauses 4.7, 5.2, 6.4.16, 6.8, 7.5, and 8.25.

27.22.7.3.1.3  Test purpose
To verify that the Terminal informs the UICC that an Event: Call Disconnected has occurred using the ENVELOPE (EVENT DOWNLOAD -Call Disconnected) command.

27.22.7.3.1.4  Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.7.3.1.5  Test requirement
Not Applicable.
27.22.7.4 Location Status Event

27.22.7.4.1 Location Status Event (normal)

27.22.7.4.1.1 Definition and applicability
See clause 3.2.2.

27.22.7.4.1.2 Conformance requirement
The Terminal shall support the EVENT: Location Status event as defined in:

- TS 102 223 [1], clauses 7.5 and 6.4.16.

27.22.7.4.1.3 Test purpose
To verify that the Terminal informs the UICC that an Event: MM_IDLE state has occurred using the ENVELOPE (EVENT DOWNLOAD - Location Status) command.

27.22.7.4.1.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.7.4.1.5 Test requirement
Not Applicable.

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:

- 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.
Expected Sequence 1.1 (EVENT DOWNLOAD - USER ACTIVITY)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1</td>
<td>Set up event list: event User Activity.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1</td>
<td>Set up event list: event User Activity.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>press any key</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>ENVELOPE EVENT DOWNLOAD - USER ACTIVITY 1.1.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>press any key</td>
<td>check if no envelope Event Download-User activity sending to the UICC (this event is reported once).</td>
</tr>
</tbody>
</table>

**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:

<table>
<thead>
<tr>
<th>Event list</th>
<th>User Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Device identities

<table>
<thead>
<tr>
<th>Source device:</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destination device:</td>
<td>UICC</td>
</tr>
</tbody>
</table>

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:

- 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.
Expected Sequence 1.1 (EVENT DOWNLOAD - IDLE SCREEN AVAILABLE)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>USER → Terminal</td>
<td>Select screen other than the Terminal idle screen</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1</td>
<td>Set up event list: idle screen available.</td>
</tr>
<tr>
<td>4</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1</td>
<td>Set up event list: idle screen available.</td>
</tr>
<tr>
<td>5</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>6</td>
<td>USER → Terminal</td>
<td>Select Terminal idle screen</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: IDLE SCREEN AVAILABLE 1.1.1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>USER → Terminal</td>
<td>Select screen other than the ME idle screen</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>USER → Terminal</td>
<td>Select Terminal idle screen</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>USER → Terminal</td>
<td>No envelope Event Download- idle screen shall be sent to the SIM</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>0C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>05</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>99</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>01</td>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>05</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>

EVENT DOWNLOAD - IDLE SCREEN AVAILABLE 1.1.1

Logically:

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

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D6</th>
<th>07</th>
<th>19</th>
<th>01</th>
<th>05</th>
<th>82</th>
<th>02</th>
<th>02</th>
<th>81</th>
</tr>
</thead>
</table>

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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND 1.1.1 PENDING</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1</td>
<td>EVENT: Card Reader Status.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1</td>
<td>Successfully.</td>
</tr>
<tr>
<td>5</td>
<td>User → Terminal</td>
<td>Insert a card in Reader</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: CARD READER STATUS 1.1.1a Or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENVELOPE: CARD READER STATUS 1.1.1b Or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENVELOPE: CARD READER STATUS 1.1.1c Or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENVELOPE: CARD READER STATUS 1.1.1d Or</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>User → Terminal</td>
<td>Remove the card from Reader</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: CARD READER STATUS 1.1.2a Or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENVELOPE: CARD READER STATUS 1.1.2b Or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENVELOPE: CARD READER STATUS 1.1.2c Or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENVELOPE: CARD READER STATUS 1.1.2d Or</td>
<td></td>
</tr>
</tbody>
</table>

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:
- 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)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>Message / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND 1.1.1PENDING</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td>SET UP EVENT: Card Reader Status.</td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1</td>
<td>Successfully.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>User → Terminal</td>
<td>Attach the Card Reader to Terminal</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: CARD READER STATUS 2.1.1a Or ENVELOPE: CARD READER STATUS 2.1.1b</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>User → Terminal</td>
<td>Detach the Card Reader from Terminal</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: CARD READER STATUS 2.1.2a Or ENVELOPE: CARD READER STATUS 2.1.2b</td>
<td></td>
</tr>
</tbody>
</table>

**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  |

27.22.7.7.1.5 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:

- 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)

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: SET UP EVENT LIST 1.1.1</td>
<td>Set up event list: language selection.</td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: SET UP EVENT LIST 1.1.1</td>
<td>Set up event list: language selection.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: SET UP EVENT LIST 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Change the language to German.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: LANGUAGE SELECTION 1.1.1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>USER → Terminal</td>
<td>Change the language to English</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>ENVELOPE: LANGUAGE SELECTION 1.1.2</td>
<td>check if an envelope Event Download-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>language selection is sending again to the</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>UICC ( this event is continuously reported)</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>0C</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>05</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>82</th>
<th>99</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>01</td>
<td>07</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81</th>
<th>03</th>
<th>01</th>
<th>05</th>
<th>00</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>83</th>
<th>01</th>
<th>00</th>
</tr>
</thead>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D6</th>
<th>0B</th>
<th>19</th>
<th>01</th>
<th>07</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>2D</th>
<th>02</th>
<th>64</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>65</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EVENT DOWNLOAD - LANGUAGE SELECTION 1.1.2

Logically:

<table>
<thead>
<tr>
<th>Event list</th>
<th>Language selection</th>
</tr>
</thead>
</table>

Device identities

Source device: Terminal
Destination device: UICC

Language

Language ‘en’→65 6E (English)

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D6</th>
<th>0B</th>
<th>19</th>
<th>01</th>
<th>07</th>
<th>82</th>
<th>02</th>
<th>82</th>
<th>81</th>
<th>2D</th>
<th>02</th>
<th>65</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6E</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

27.22.7.9.1  Browser termination (normal)

27.22.7.9.1.1  Definition and applicability

This test is only applicable to Terminal’s that support the EVENT: browser termination event driven information.

27.22.7.9.1.2  Conformance requirement

The Terminal shall support the EVENT: Browser termination event as defined in:

- TS 102 223 [1], clauses 4.7, 5.2, 6.4.16, 6.8, 7.5, 8.25, 8.51, annex F and clause 8.7.

27.22.7.9.1.3  Test purpose

To verify that the Terminal informs the UICC of an Event: Browser termination using the ENVELOPE (EVENT DOWNLOAD - Browser Termination) command.

This test applies for Terminals which have a browser.

27.22.7.9.1.4  Method of test

The test method is not defined in the present document as it depends on a present NAA.

27.22.7.9.1.5  Test requirement

Not Applicable.

27.22.7.10  Data available event

27.22.7.10.1  Definition and applicability

See clause 3.2.2.
27.22.7.10.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

Additionally the Terminal shall support ENVELOPE (EVENT DOWNLOAD - Data available).

27.22.7.10.3 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 from the server by the BIP channel previously opened.

27.22.7.10.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.7.10.1.5 Test requirement
Not Applicable.

27.22.7.11 Channel Status event

27.22.7.11.1 Definition and applicability
See clause 3.2.2.

27.22.7.11.2 Conformance requirements
The Terminal shall support the class "e" commands as defined in:

- TS 102 223 [1].

Additionally the Terminal shall support ENVELOPE (EVENT DOWNLOAD - Channel Status).

27.22.7.11.3 Test purpose
To verify that the Terminal shall send an ENVELOPE (EVENT DOWNLOAD - Channel Status) to the UICC after the link dropped between the NETWORK and the Terminal.

27.22.7.11.4 Method of test
The test method is not defined in the present document as it depends on a present NAA.

27.22.7.11.1.5 Test requirement
Not Applicable.

27.22.7.12 Access Technology Change event
TBD.

27.22.7.13 Local Connection event
TBD.

27.22.7.14 Network search mode change event
TBD.
27.22.7.15 Browsing status event
TBD.

27.22.8 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 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

<table>
<thead>
<tr>
<th>Step</th>
<th>Direction</th>
<th>MESSAGE / Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.1.1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 1.1.1</td>
<td>Normal priority, wait for user to clear message, unpacked, 8 bit data.</td>
</tr>
<tr>
<td>4</td>
<td>Terminal → USER</td>
<td>Display “Toolkit Test 1”</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>USER → Terminal</td>
<td>Clear Message</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Terminal → UICC</td>
<td>TERMINAL RESPONSE: DISPLAY TEXT 1.1.1</td>
<td>Command performed successfully.</td>
</tr>
<tr>
<td>7</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND PENDING: DISPLAY TEXT 1.1.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Terminal → UICC</td>
<td>FETCH</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UICC → Terminal</td>
<td>PROACTIVE COMMAND: DISPLAY TEXT 1.1.2</td>
<td>Normal priority, wait for user to clear message, unpacked, 8 bit data.</td>
</tr>
<tr>
<td>10</td>
<td>Terminal → USER</td>
<td>Display “Toolkit Test 2”</td>
<td></td>
</tr>
</tbody>
</table>
### 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:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
D0 & 1A & 81 & 03 & 01 & 21 & 80 & 82 & 02 & 81 & 02 & 8D \\
0F & 04 & 54 & 6F & 6F & 6C & 6B & 69 & 74 & 20 & 54 & 65 \\
73 & 74 & 20 & 31
\end{array}
\]

### 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:

\[
\text{BER-TLV: } \begin{array}{cccccccccccc}
81 & 03 & 01 & 21 & 80 & 82 & 02 & 82 & 81 & 83 & 01 & 00
\end{array}
\]
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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0</th>
<th>1A</th>
<th>81</th>
<th>03</th>
<th>FE</th>
<th>21</th>
<th>80</th>
<th>82</th>
<th>02</th>
<th>81</th>
<th>02</th>
<th>8D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0F</td>
<td>04</td>
<td>54</td>
<td>6F</td>
<td>6F</td>
<td>6C</td>
<td>6B</td>
<td>69</td>
<td>74</td>
<td>20</td>
<td>54</td>
<td>65</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>D0 1A 81 03 AD 21 80 82 02 81 02 8D 0F 04 54 6F 6C 6B 6F 69 74 20 74 6F 6F 6C 6B 69 74 20 33 27 22 9.5 27</th>
</tr>
</thead>
</table>

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:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
<th>81 03 AD 21 80 82 02 82 81 83 01 00</th>
</tr>
</thead>
</table>

27.22.9.5 Test requirement

The Terminal shall operate in the manner defined in expected sequence 1.1
Annex A (normative):
Details of Test-SIM (TestSIM)

The TestSIM shall be able to present the following data:

**ANSWER TO RESET**

Logically:

- **TS** (Initial character): '3B'
- **T0** (Format character): '86' (Following interface characters: TD(1), number of historical characters: 6)
- **TD1**: '00' (Following interface characters: none, Transfer protocol: T=0)
- **T1**: 91
- **T2**: 99
- **T3**: 00
- **T4**: 12
- **T5**: C1
- **T6**: 00

**Coding:**

```
BER-TLV: 3B 86 00 91 99 00 12 C1 00
```

1. For a successful outcome of the command "Select MasterFile" the TestSIM shall send SW1/SW2 "9F 1B".

2. For a successful outcome of the command "Get Response with Length 1B" on the MasterFile the TestSIM shall respond:

   - **RFU**: '00 00'
   - Not allocated memory: '653 bytes'
   - **File ID**: Master File
   - **Type of file**: MF
   - **RFU**: 00 00 22 FF 01'
   - Length of following data: 14 bytes'
   - **File characteristics**:
     - **Clock Stop**: Not allowed
     - **Min. frequency for GSM algorithm**: 13/8 MHz
     - **Technology identification**: 3V Technology SIM
     - **CHV1**: disabled
     - **DFs in current directory**: 2
     - **EFs in current directory**: 8
     - **Number of CHV and admin. Codes**: 3
     - **RFU byte 18**: 00
     - **CHV1 status**:
       - False representations remaining: 3
       - RFU-bits 7-5: 000
       - Secret code: Initialized
     - **Unlock CHV1 status**:
       - False representations remaining: 10
       - RFU-bits 7-5: 000
       - Secret code: Initialized
     - **CHV2 status**:
       - False representations remaining: 3
       - RFU-bits 7-5: 000
       - Secret code: Initialized
Unlock CHV2 status:
  False representations remaining: 10
  RFU-bits 7-5: 000
  Secret code: Initialized
  RFU bytes 23: 00
  Reserved for admin. management: 00 83 00 FF
Status Words
  SW1 / SW2: Normal ending of command

Coding:

<table>
<thead>
<tr>
<th>BER-TLV:</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 00 02 8D 3F 00 01 00 00 22 FF 01</td>
</tr>
<tr>
<td>0E 9B 02 08 03 00 83 8A 83 8A 00 00</td>
</tr>
<tr>
<td>83 00 FF 90 00</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>RFU-Bytes 1-2:</th>
<th>00 00</th>
</tr>
</thead>
<tbody>
<tr>
<td>File size:</td>
<td>102 bytes</td>
</tr>
<tr>
<td>File ID:</td>
<td>6F30</td>
</tr>
<tr>
<td>Type of File:</td>
<td>Elementary file</td>
</tr>
<tr>
<td>Byte 8</td>
<td></td>
</tr>
<tr>
<td>RFU:</td>
<td>00</td>
</tr>
</tbody>
</table>
Access Condition:

<table>
<thead>
<tr>
<th>UPDATE:</th>
<th>CHV1</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ/SEEK:</td>
<td>CHV1</td>
</tr>
<tr>
<td>RFU-bits 4-1:</td>
<td>1111</td>
</tr>
<tr>
<td>INCREASE:</td>
<td>NEVER</td>
</tr>
<tr>
<td>INVALIDATE:</td>
<td>NEVER</td>
</tr>
<tr>
<td>REHABILITATE:</td>
<td>NEVER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>File Status:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invalidation status: File not invalidated</td>
</tr>
<tr>
<td>Readable/updateable: Not readable/updatable when invalidated</td>
</tr>
<tr>
<td>RFU-bits 8-4, 2: 0000 0</td>
</tr>
<tr>
<td>Length of following data: 2 bytes</td>
</tr>
<tr>
<td>Structure: Transparent</td>
</tr>
<tr>
<td>Length of record: 00</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Byte.bit</th>
<th>Terminal Profile</th>
<th>Ref.</th>
<th>Release</th>
<th>Status</th>
<th>Support</th>
<th>Mnemonic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.1</td>
<td>Profile Download</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Pro_Dvnl</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>1.2</td>
<td>Reserved by 3GPP</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>X</td>
<td>Reserved</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1.3</td>
<td>Reserved by 3GPP</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>X</td>
<td>Reserved</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>1.4</td>
<td>Menu selection</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Menu_sel</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1.5</td>
<td>Reserved by 3GPP</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>X</td>
<td>Reserved</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>1.6</td>
<td>Timer expiration</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_TExpir</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>1.7</td>
<td>Reserved by 3GPP</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>X</td>
<td>Reserved</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>1.8</td>
<td>Bit=1 if Call control by NAA is supported</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_CC</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>2.1</td>
<td>Command result</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Cmd_Res</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>2.2</td>
<td>Call Control by NAA is supported</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_CC</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>2.3</td>
<td>Bit=1 if Call control by NAA is supported</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_CC</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>2.4</td>
<td>Reserved by 3GPP</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>X</td>
<td>Reserved</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>2.5</td>
<td>Bit=1 if Call control is supported</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_CC</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>2.6</td>
<td>UCS2 Entry supported</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>C203</td>
<td>PD_UCS2_entry</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>2.7</td>
<td>UCS2 Display supported</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>C203</td>
<td>PD_UCS2_Display</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>2.8</td>
<td>Bit=1 if Display Text supported</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Display_Text</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>3.1</td>
<td>DISPLAY TEXT</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Display_Text</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Byte.bit</td>
<td>Terminal Profile</td>
<td>Ref.</td>
<td>Release</td>
<td>Status</td>
<td>Support</td>
<td>Mnemonic</td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
<td>------------------</td>
<td>------</td>
<td>---------</td>
<td>--------</td>
<td>---------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>18</td>
<td>3.2</td>
<td>GET INKEY</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Get_Inkey</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>3.3</td>
<td>GET INPUT</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Get_Input</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>3.4</td>
<td>MORE TIME</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_More_Time</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>3.5</td>
<td>PLAY TONE</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Play_Tone</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>3.6</td>
<td>POLL INTERVAL</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Poll_interval</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>3.7</td>
<td>POLLING OFF</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Polling_Off</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>3.8</td>
<td>REFRESH</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Refresh</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>4.1</td>
<td>SELECT ITEM</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Select_Item</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>4.2</td>
<td>Reserved by 3GPP</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>X</td>
<td>Reserved</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>4.3</td>
<td>Reserved by 3GPP</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>X</td>
<td>Reserved</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>4.4</td>
<td>Reserved by 3GPP</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>X</td>
<td>Reserved</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>4.5</td>
<td>SET UP CALL</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_SetUp_Call</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>4.6</td>
<td>SET UP MENU</td>
<td>TS 102 223 [1], clause 5.2</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_SetUp_Menu</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>4.7</td>
<td>PROVIDE LOCAL INFORMATION (LOCI &amp; IMEI)</td>
<td>TS 102 223 [1], clause 5.2, 3GPP TS 11.14, 5</td>
<td>Rel-4</td>
<td>M</td>
<td>PD_Provide_Local</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>4.8</td>
<td>PROVIDE LOCAL INFORMATION (NMR)</td>
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<td>C224</td>
<td>IF (C223 AND A1.26) THEN M -- O_BIP AND O_BIP_Local</td>
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<td>IF (C224 AND A1.27) THEN M -- O_BIP_BT</td>
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<td>C226</td>
<td>IF (C224 AND A1.28) THEN M -- O_BIP_IRDA</td>
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<td>C227</td>
<td>IF (C224 AND A1.29) THEN M -- O_BIP_RS232</td>
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<td>C228</td>
<td>IF A1.25 THEN M -- O_Text_Attrib</td>
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<td>C229</td>
<td>IF A1.24 THEN M -- O_Duration</td>
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<td>C230</td>
<td>IF A1.23 THEN M -- O_LB</td>
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<td>C236</td>
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<td>C240</td>
<td>IF A1.36 THEN M -- O_Xmedia_Call</td>
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<td>IF C228 THEN bit values &quot;0&quot; / &quot;1&quot; allowed -- O_Text_Attrib (parameters)</td>
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Comments:
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.
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 EP SCP.

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**History**

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